

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Smart Watch

Trade Mark: N/A

Test Model: S03H

FCC ID: 2A047- S03H

Environmental Conditions

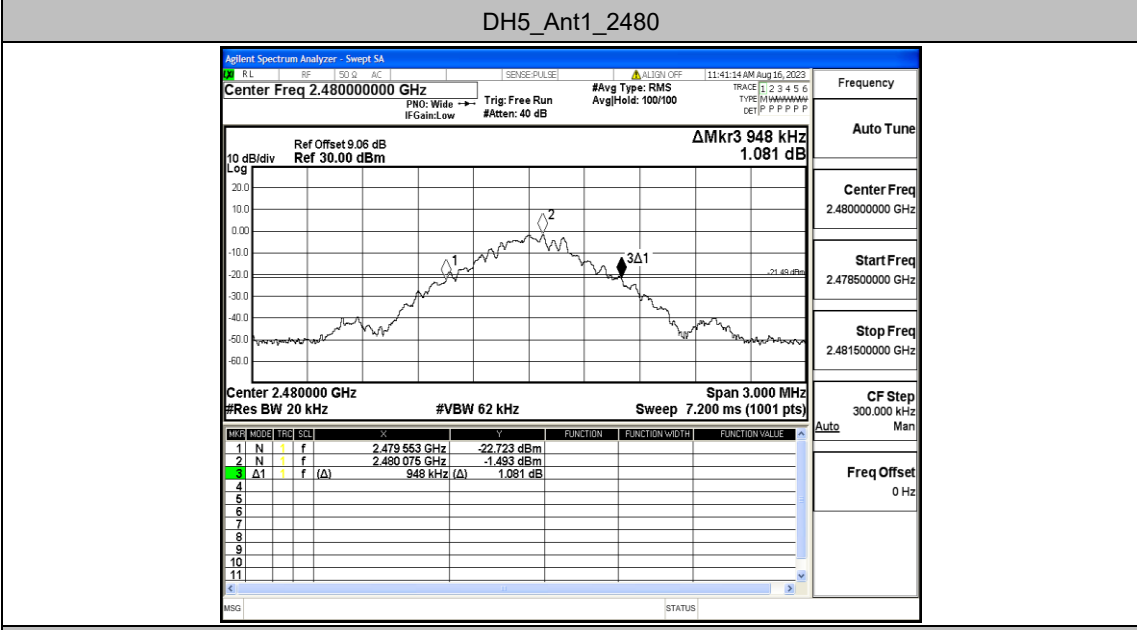
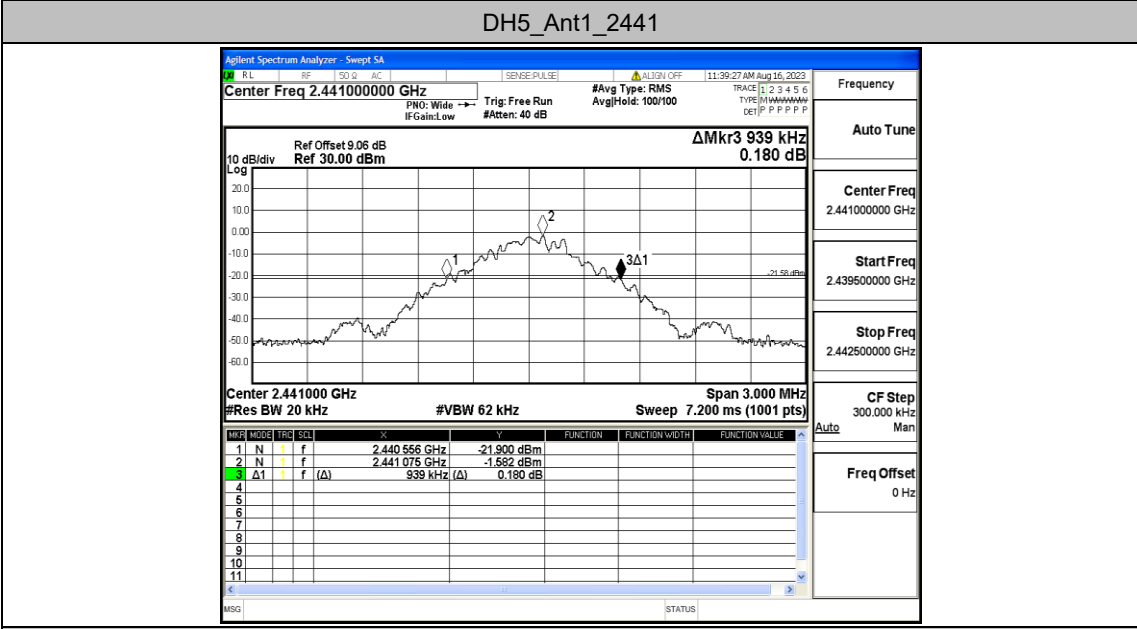
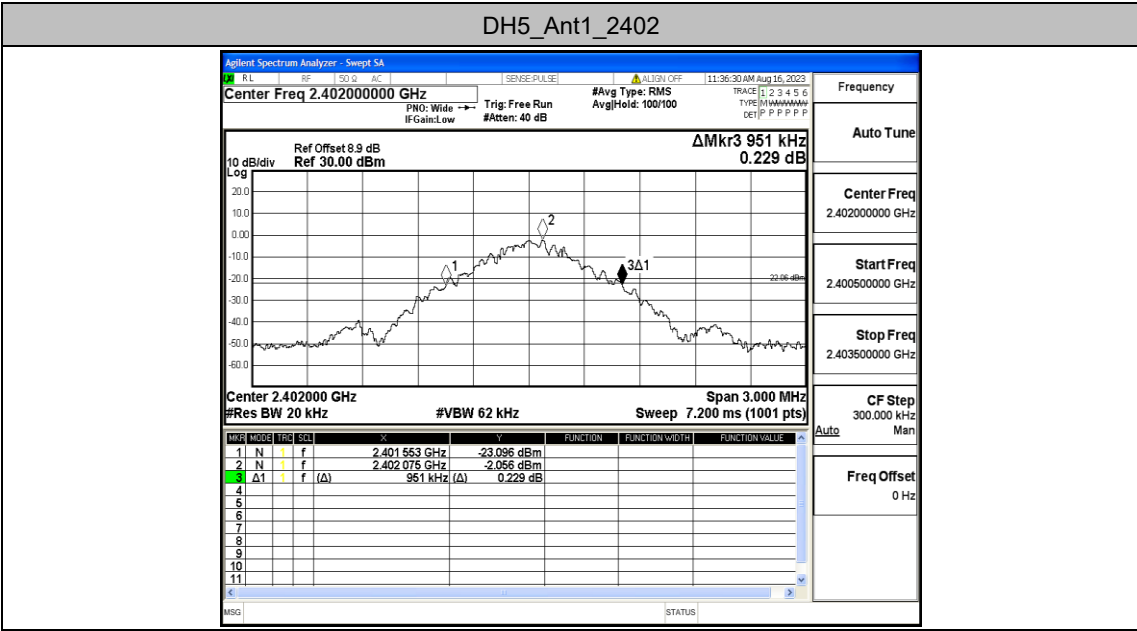
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

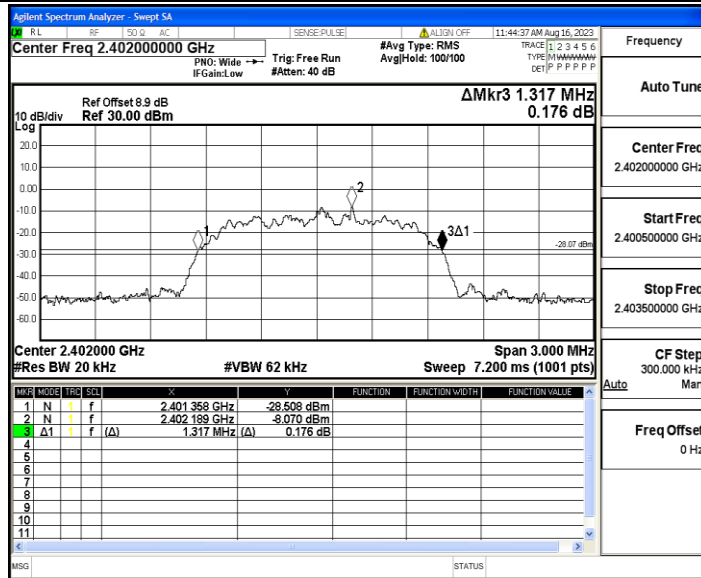
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.553	2402.504	---	---
		2441	0.939	2440.556	2441.495	---	---
		2480	0.948	2479.553	2480.501	---	---
2DH5	Ant1	2402	1.317	2401.358	2402.675	---	---
		2441	1.305	2440.361	2441.666	---	---
		2480	1.320	2479.355	2480.675	---	---
3DH5	Ant1	2402	1.281	2401.364	2402.645	---	---
		2441	1.293	2440.364	2441.657	---	---
		2480	1.281	2479.364	2480.645	---	---

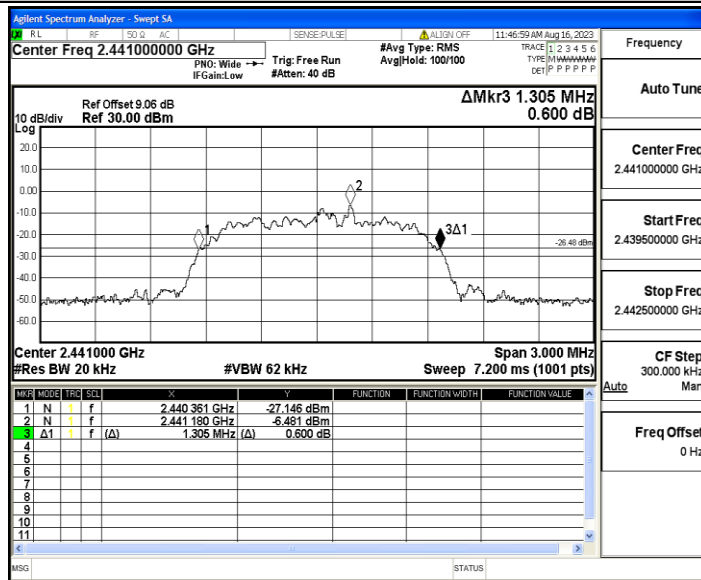
Test Graphs



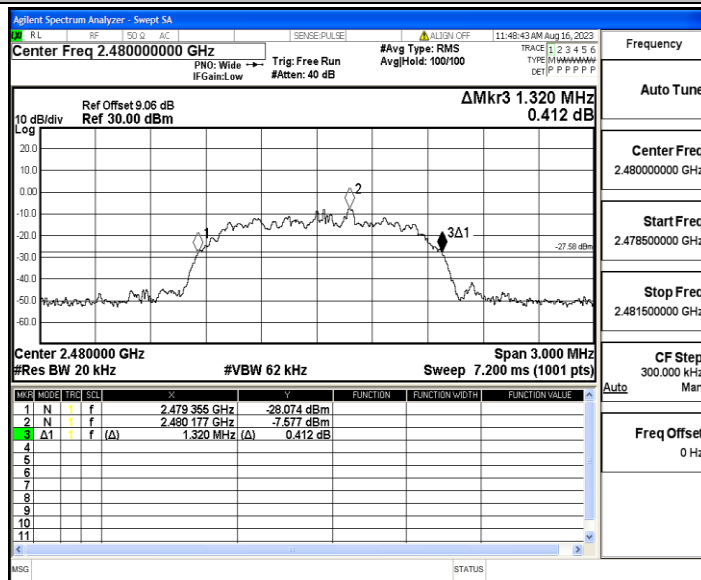
2DH5_Ant1_2402



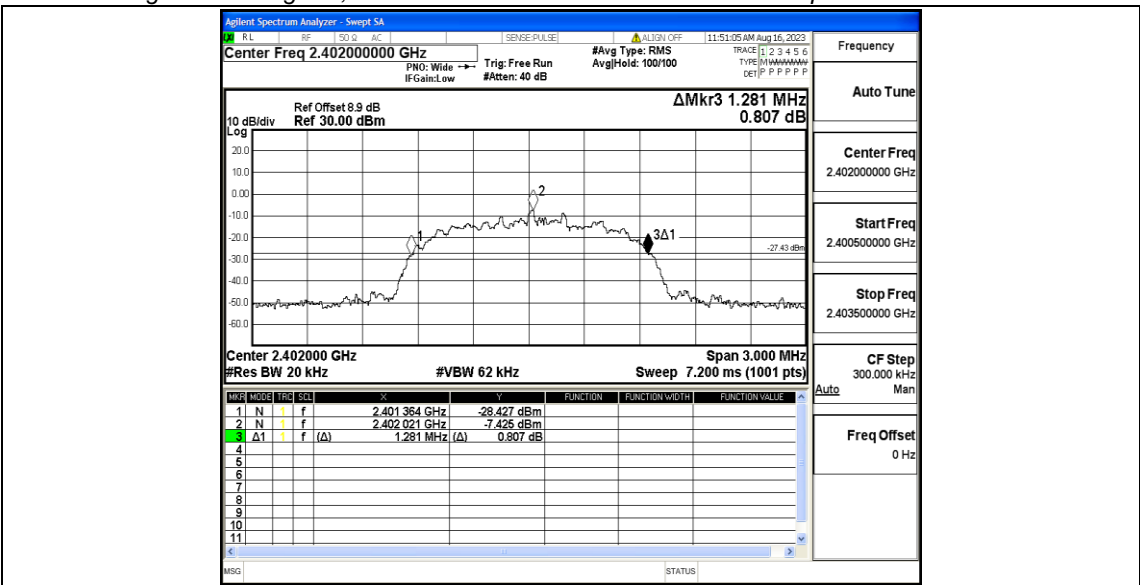
2DH5_Ant1_2441



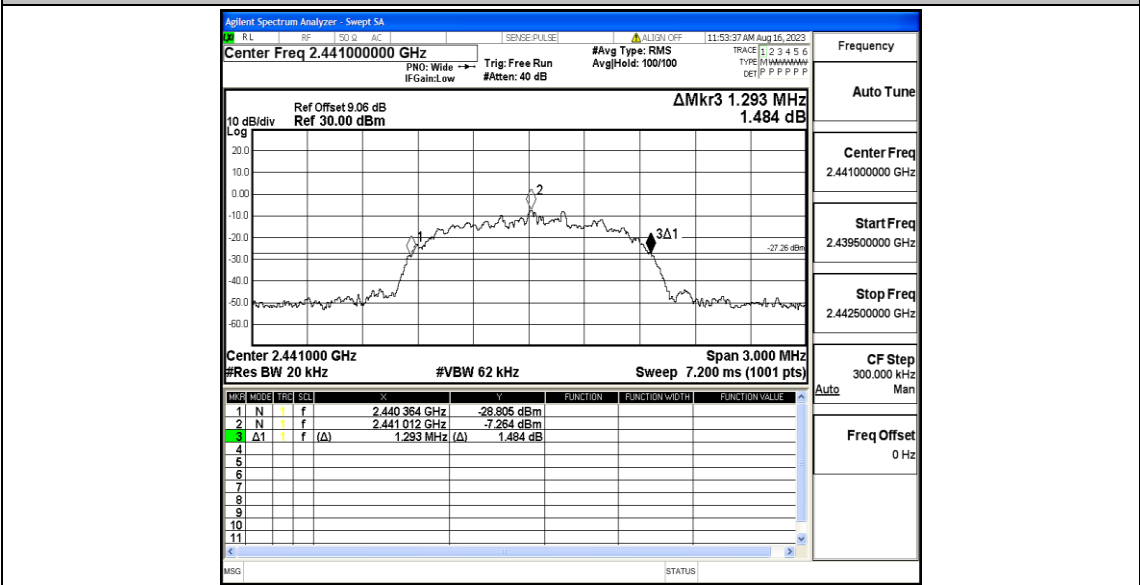
2DH5_Ant1_2480



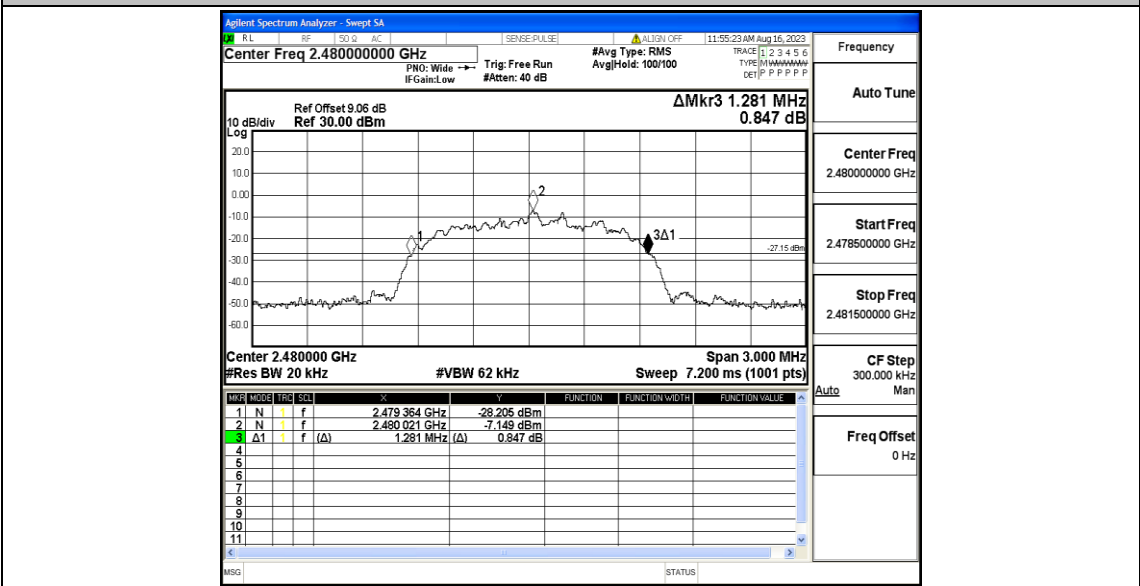
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

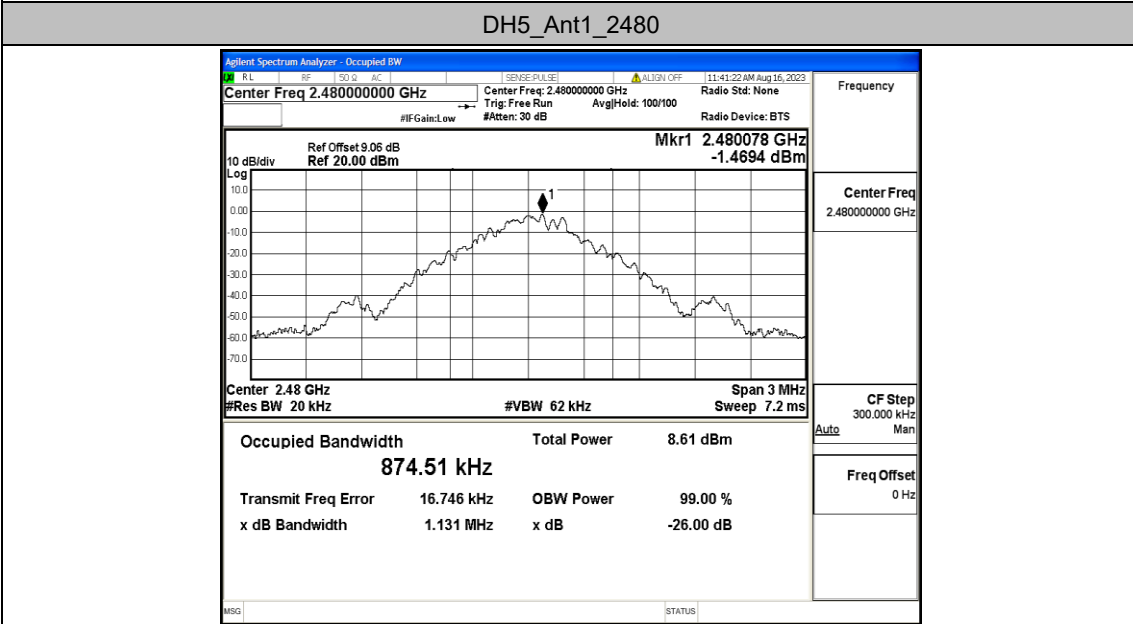
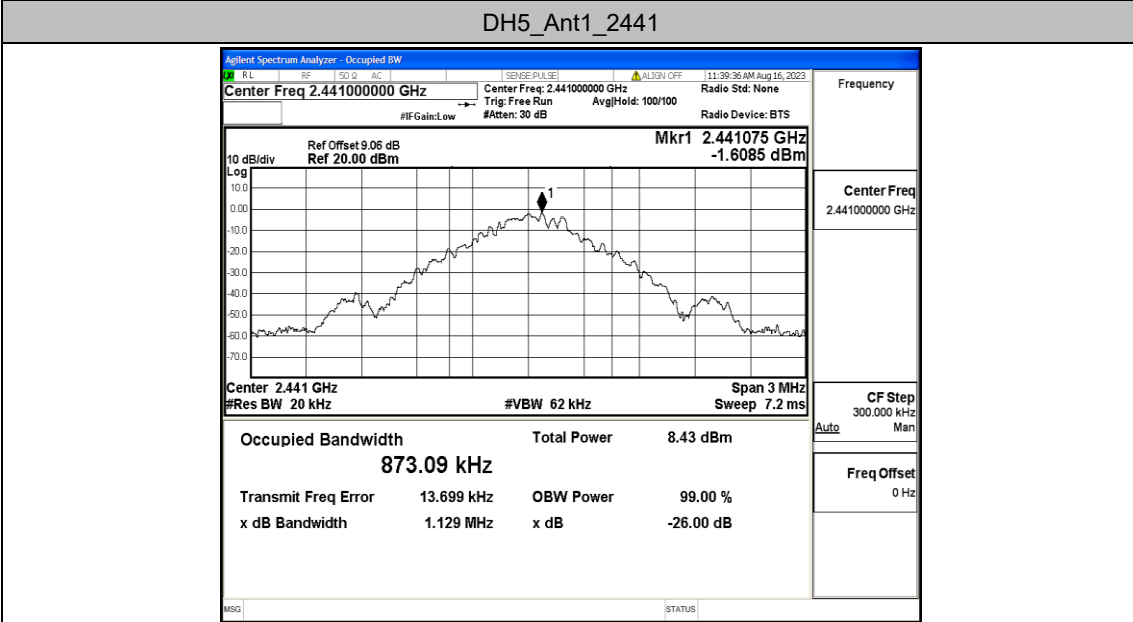
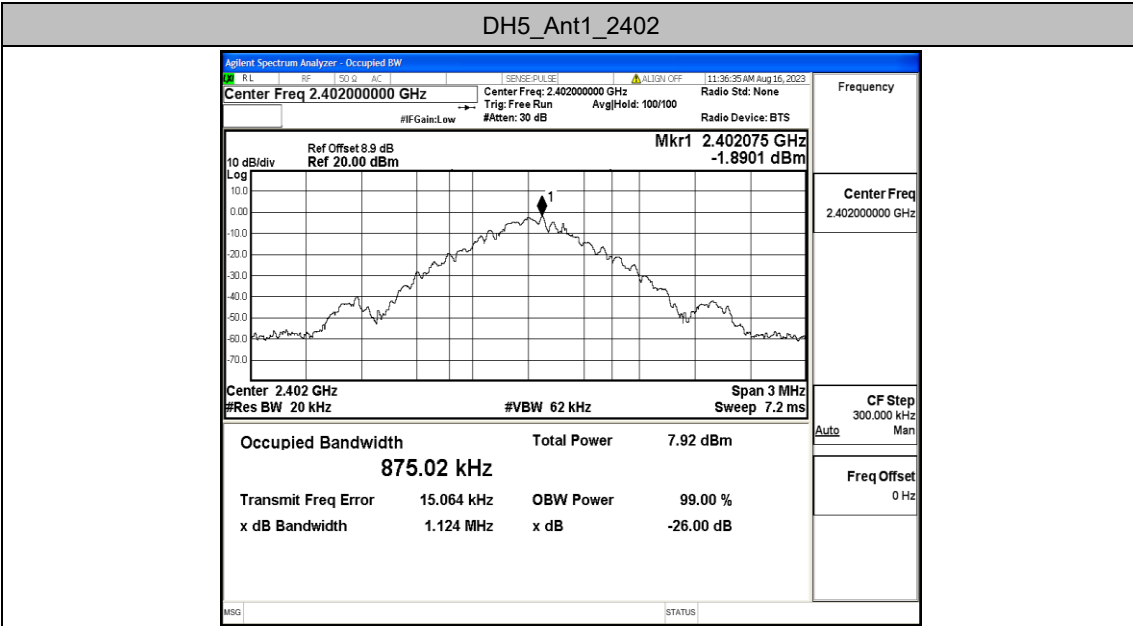


Appendix B: Occupied Channel Bandwidth

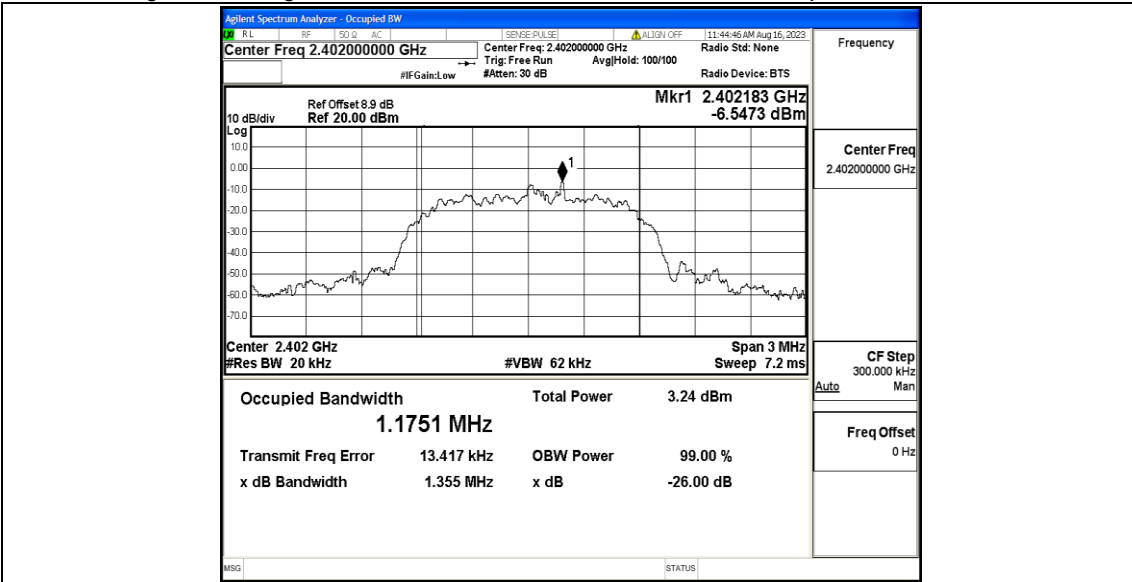
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87502	2401.5776	2402.4526	---	---
		2441	0.87309	2440.5772	2441.4502	---	---
		2480	0.87451	2479.5795	2480.4540	---	---
2DH5	Ant1	2402	1.1751	2401.4259	2402.6010	---	---
		2441	1.1784	2440.4266	2441.6050	---	---
		2480	1.1731	2479.4281	2480.6012	---	---
3DH5	Ant1	2402	1.1751	2401.4235	2402.5986	---	---
		2441	1.1710	2440.4294	2441.6004	---	---
		2480	1.1762	2479.4232	2480.5994	---	---

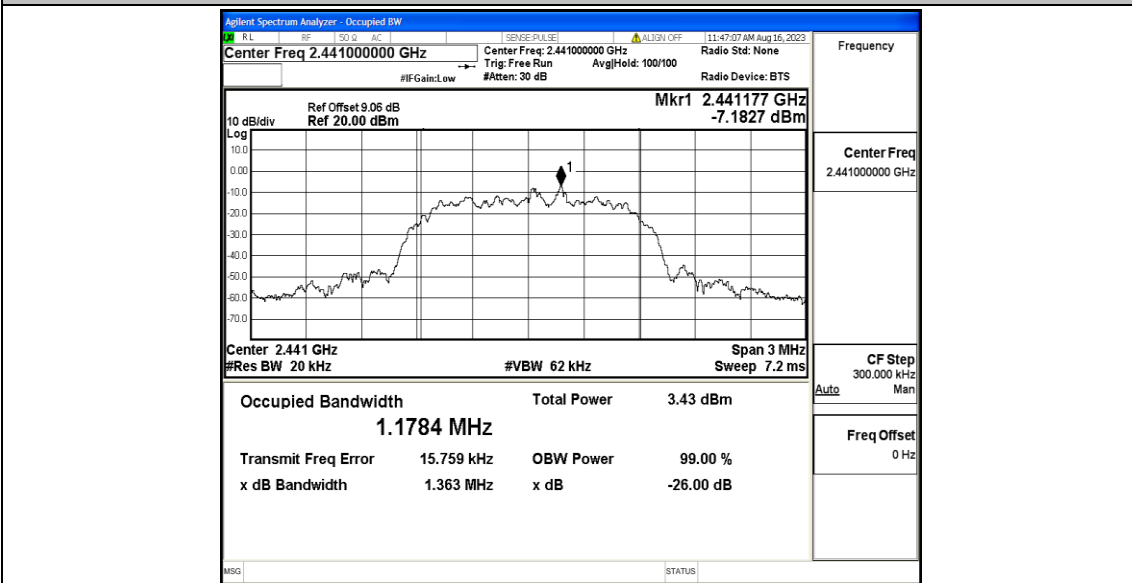
Test Graphs



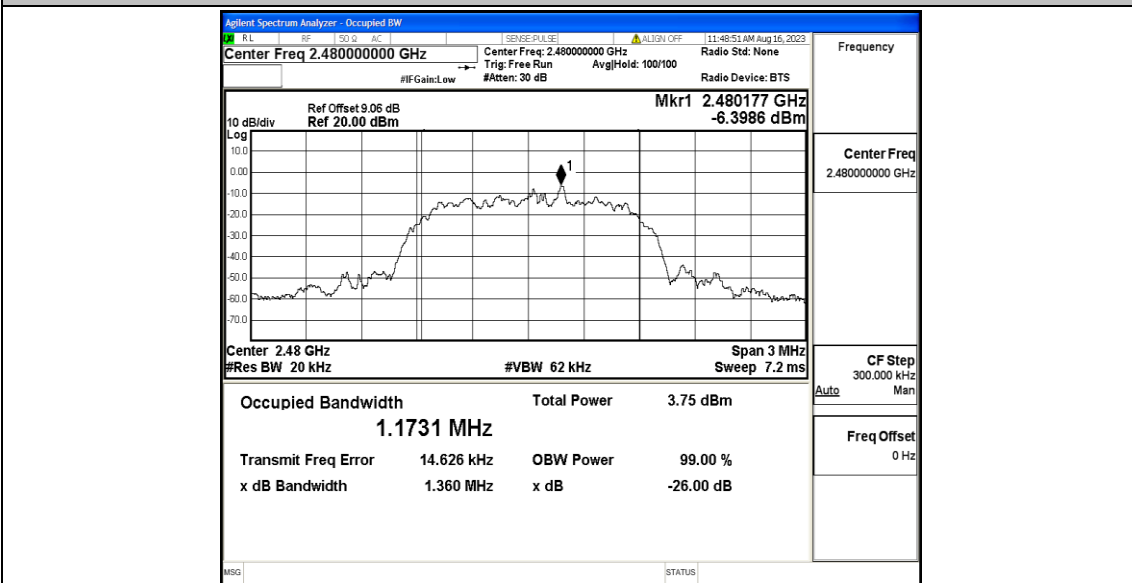
2DH5_Ant1_2402



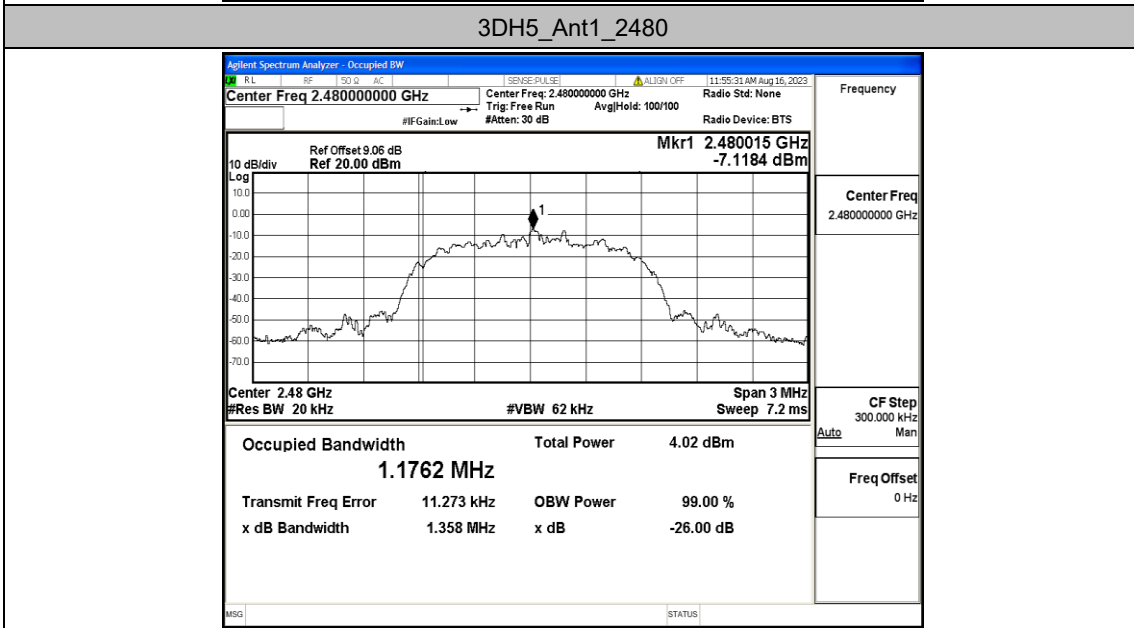
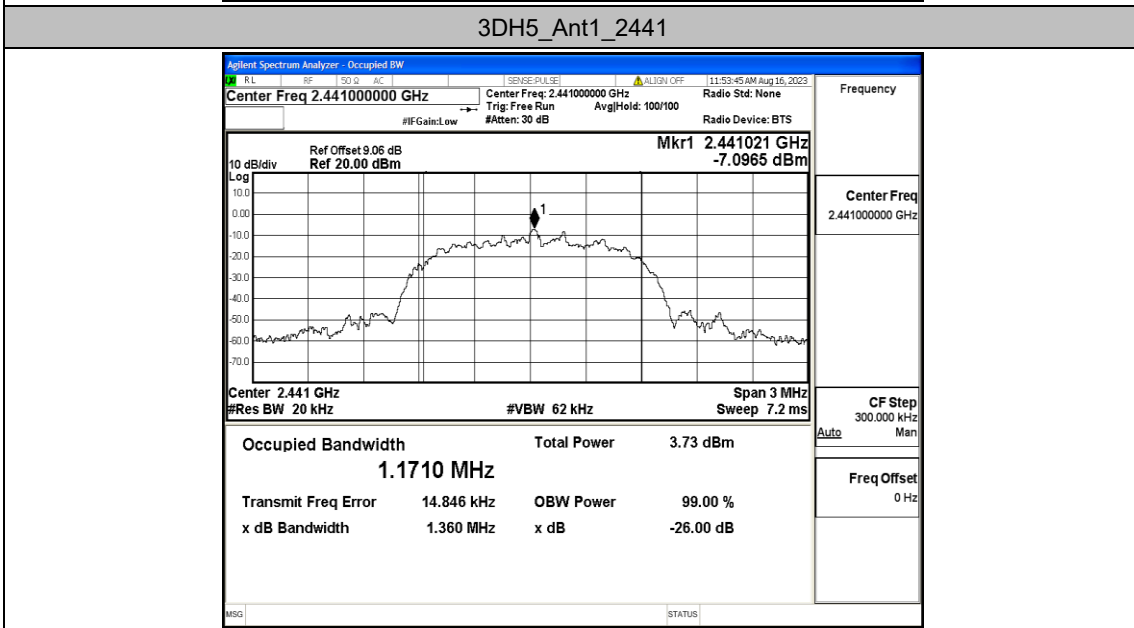
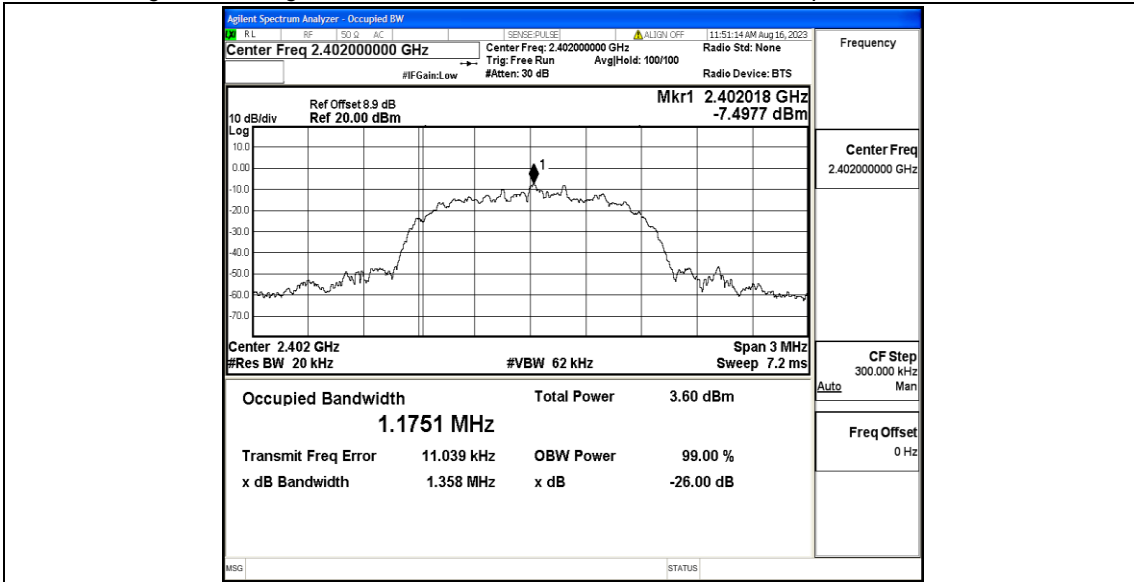
2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402

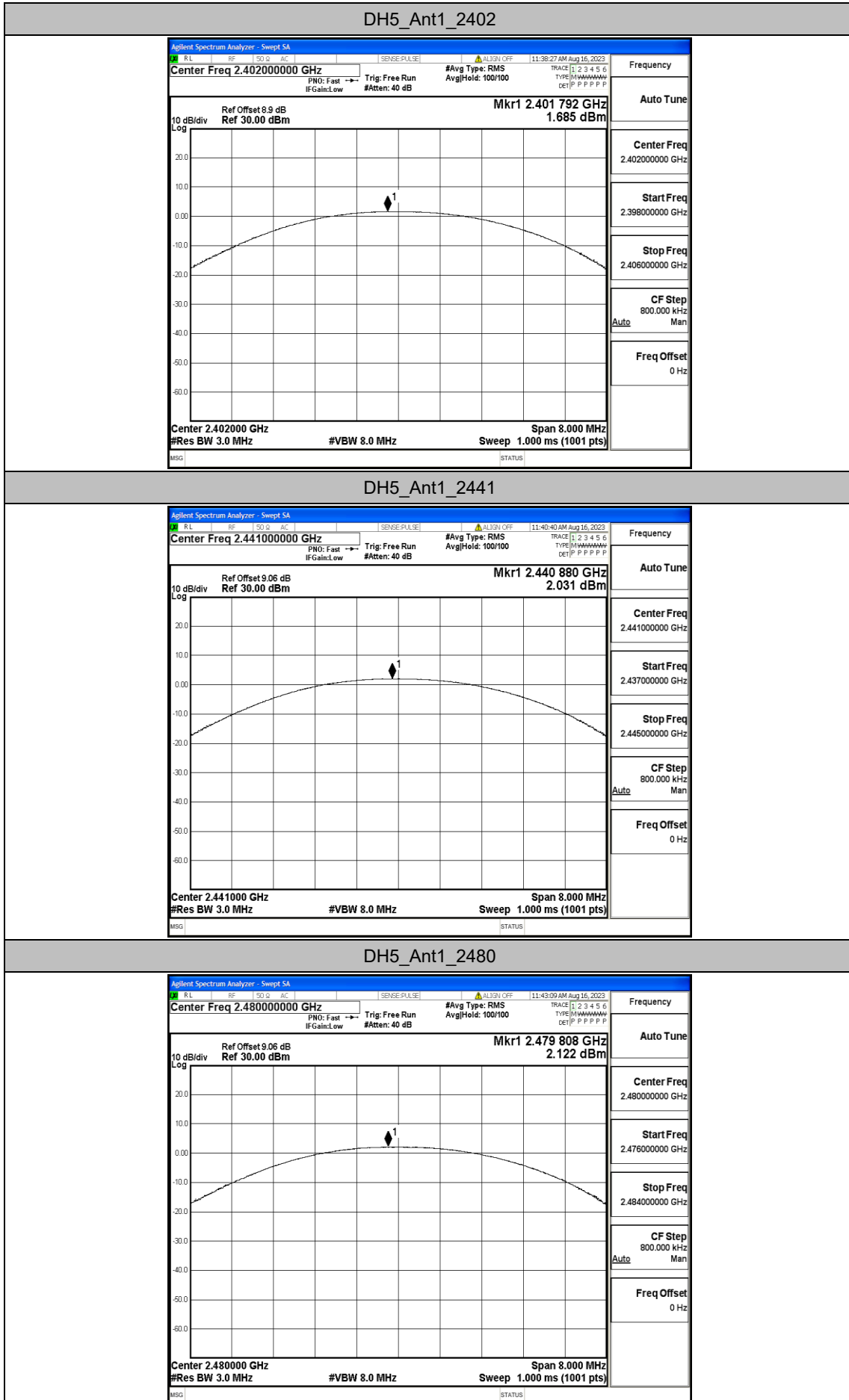


Appendix C: Maximum Peak conducted output power

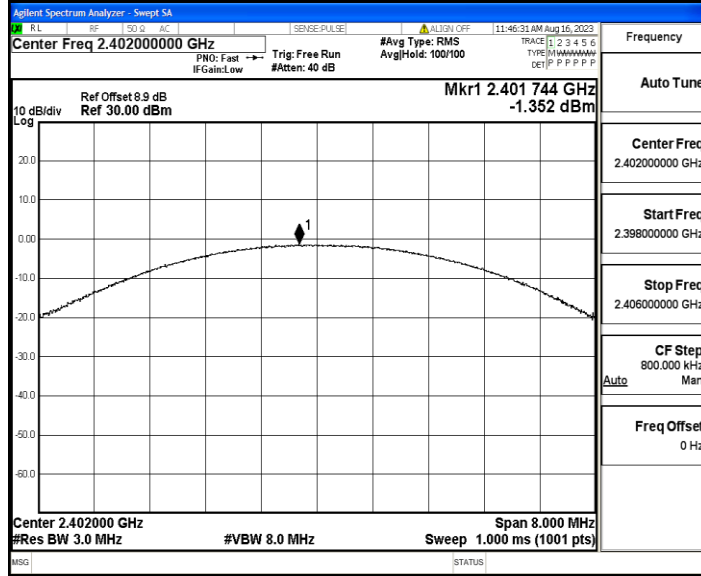
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.69	≤30.00	PASS
		2441	2.03	≤30.00	PASS
		2480	2.12	≤30.00	PASS
2DH5	Ant1	2402	-1.35	≤20.97	PASS
		2441	-0.95	≤20.97	PASS
		2480	-0.88	≤20.97	PASS
3DH5	Ant1	2402	-0.87	≤20.97	PASS
		2441	-0.34	≤20.97	PASS
		2480	-0.32	≤20.97	PASS

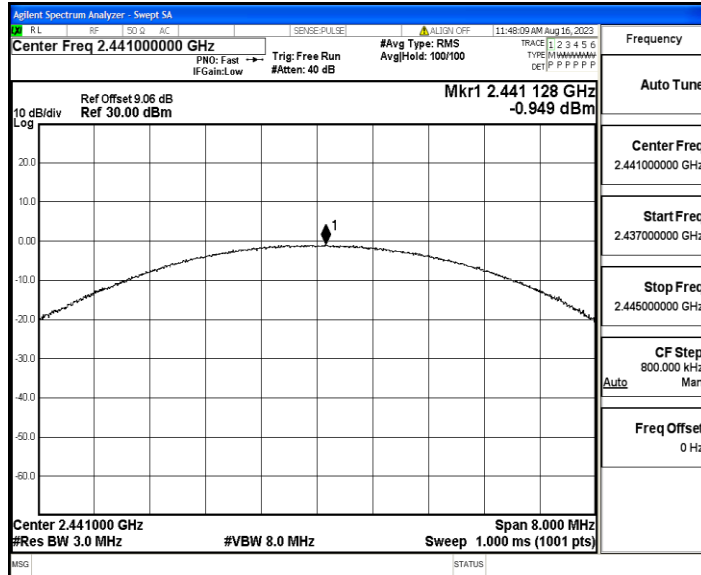
Test Graphs



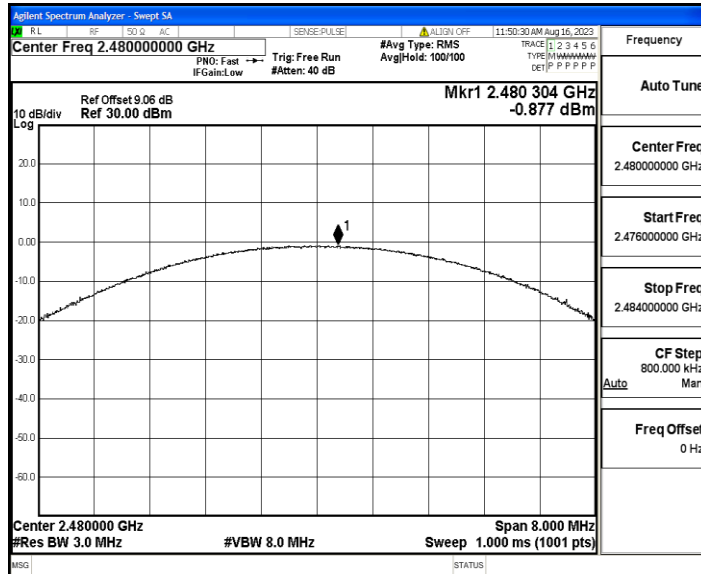
2DH5_Ant1_2402



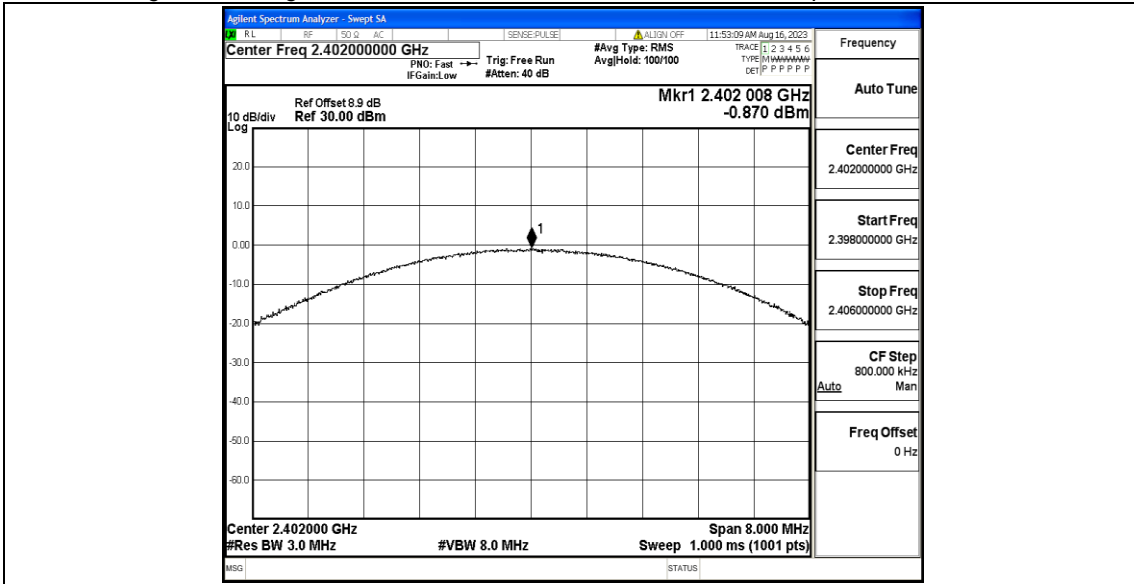
2DH5_Ant1_2441



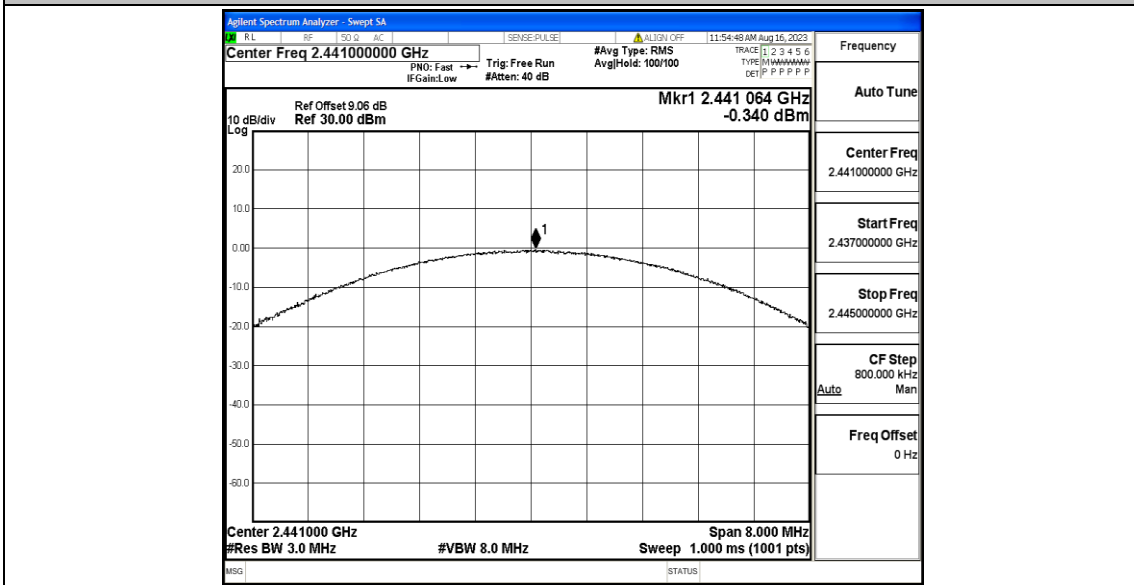
2DH5_Ant1_2480



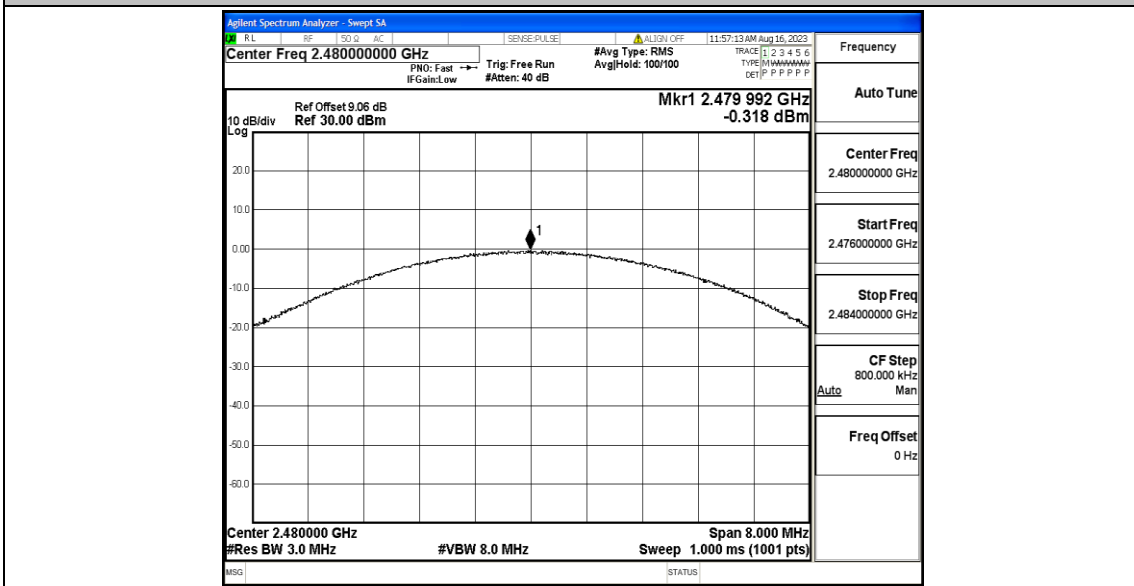
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

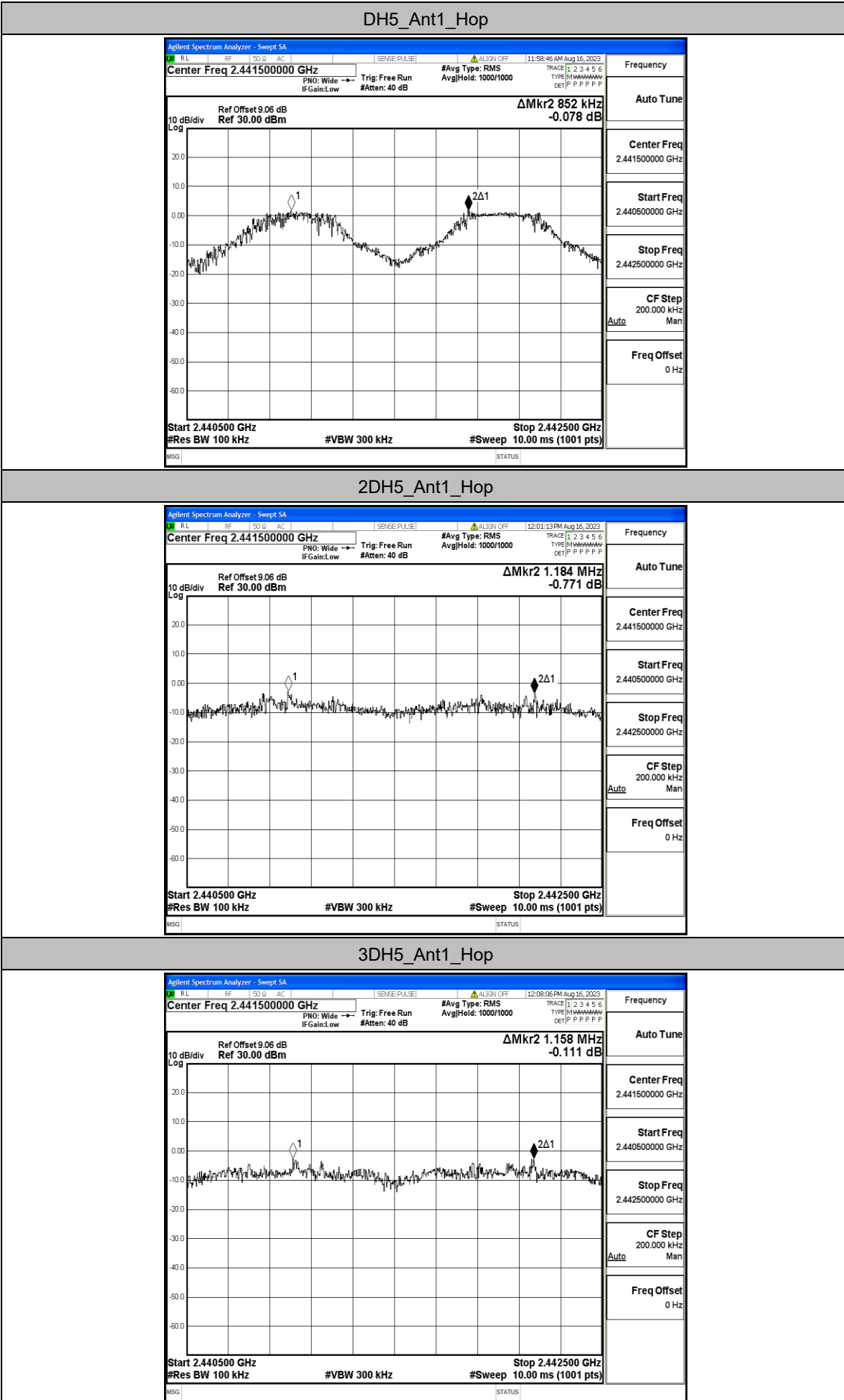


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.852	≥0.634	PASS
2DH5	Ant1	Hop	1.184	≥0.880	PASS
3DH5	Ant1	Hop	1.158	≥0.862	PASS

Test Graphs

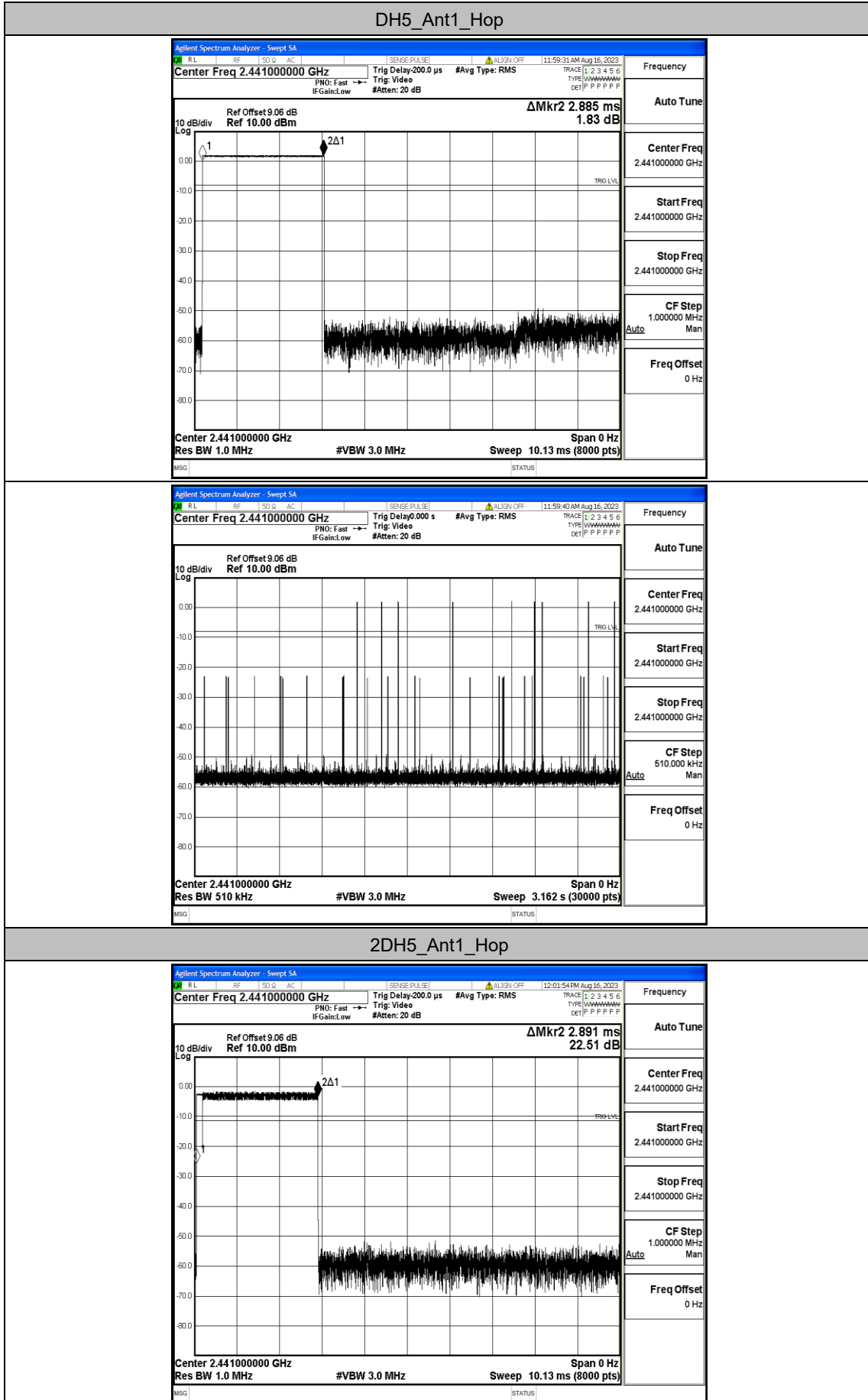


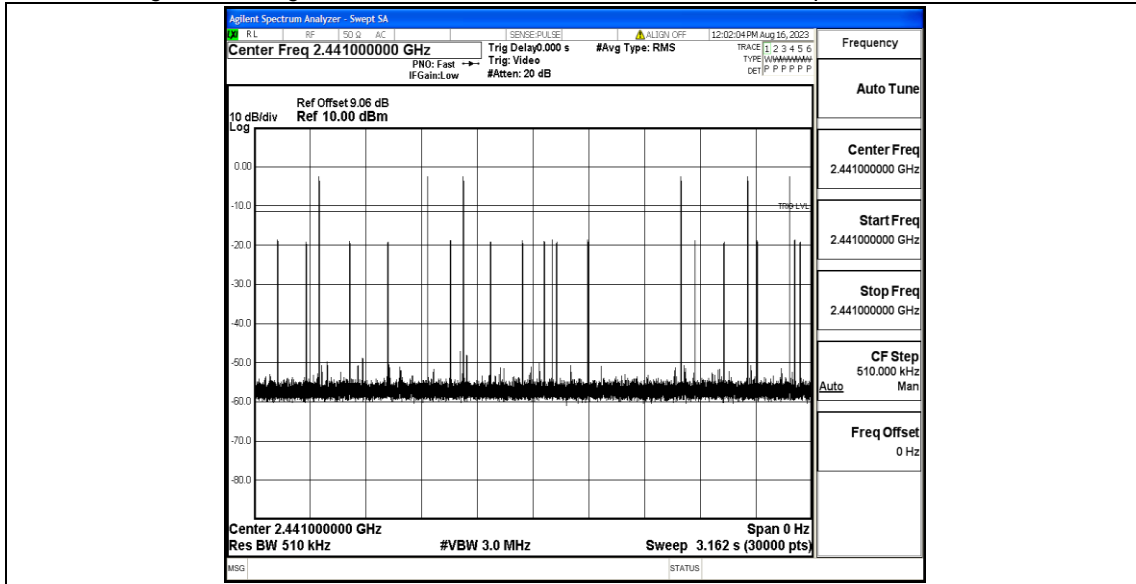
Appendix E: Time of occupancy

Test Result

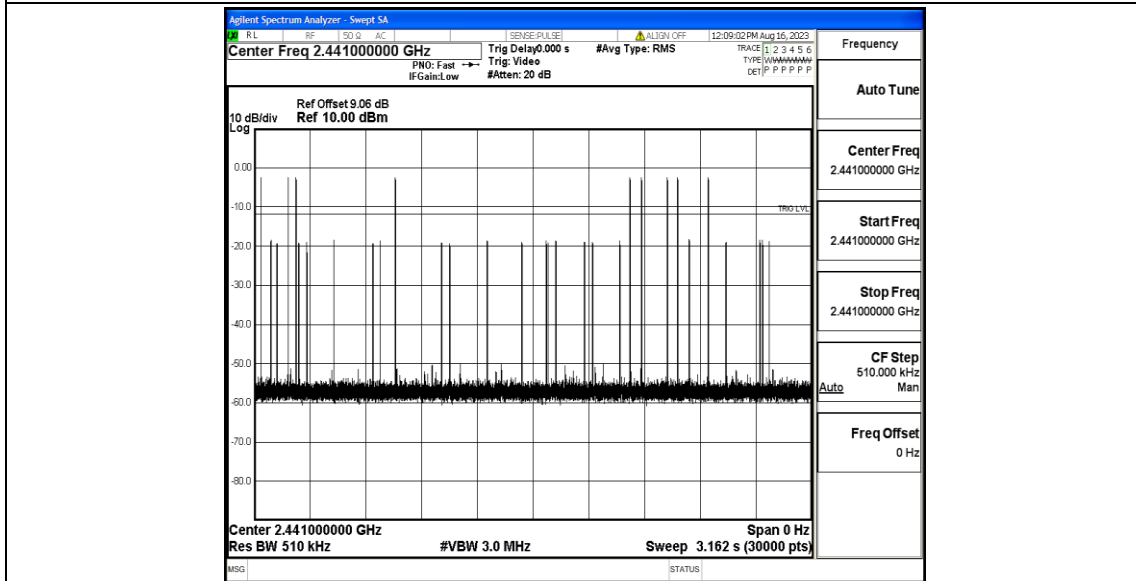
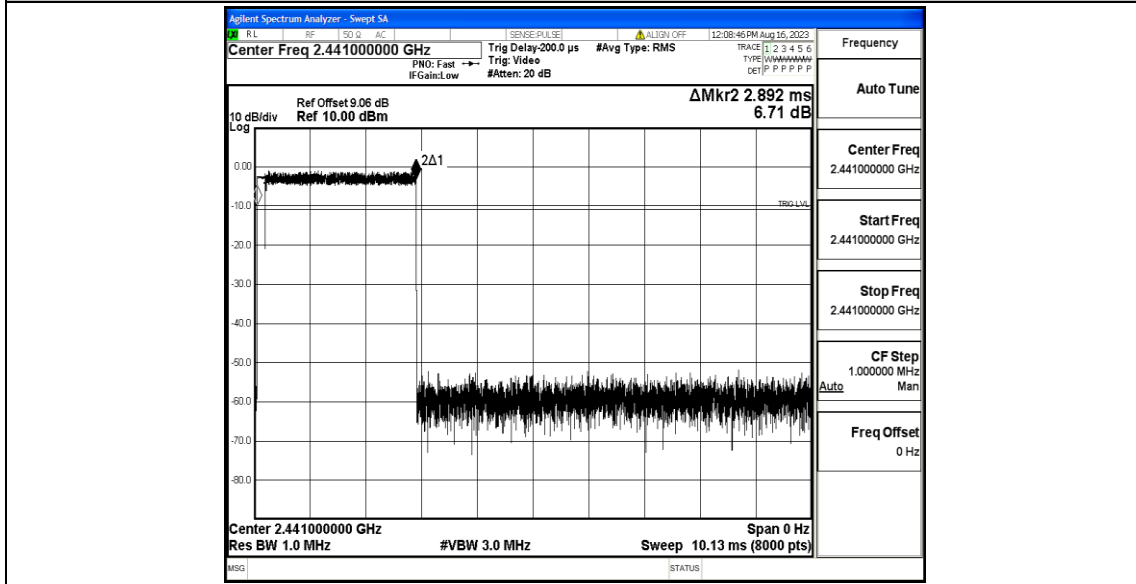
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	100	0.289	≤0.4	PASS
2DH5	Ant1	Hop	2.891	70	0.202	≤0.4	PASS
3DH5	Ant1	Hop	2.892	100	0.289	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

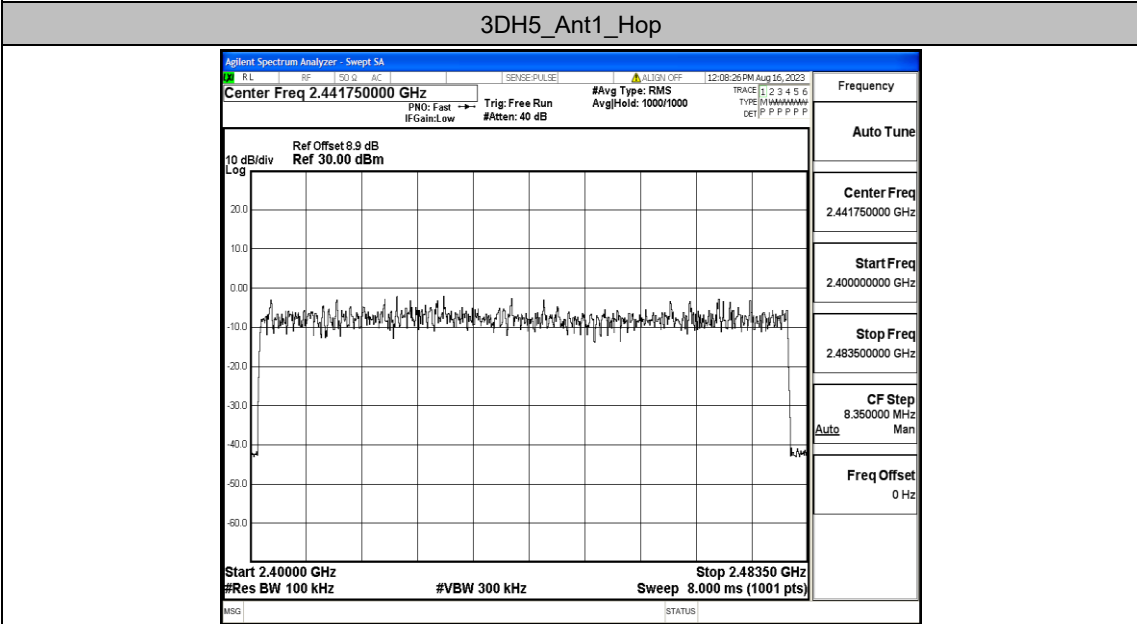
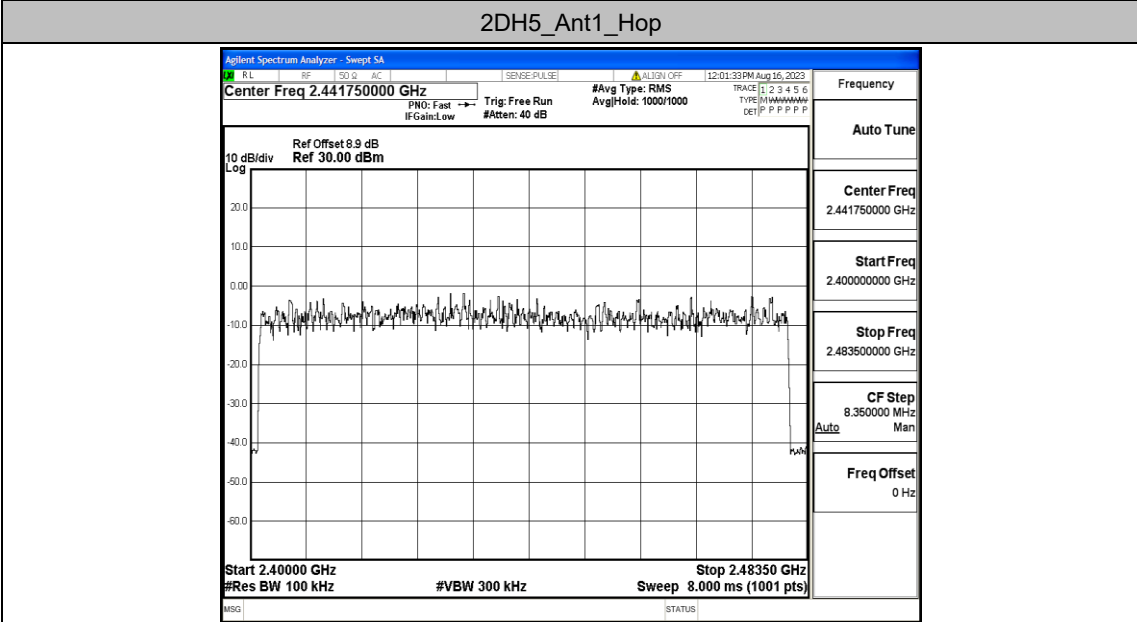
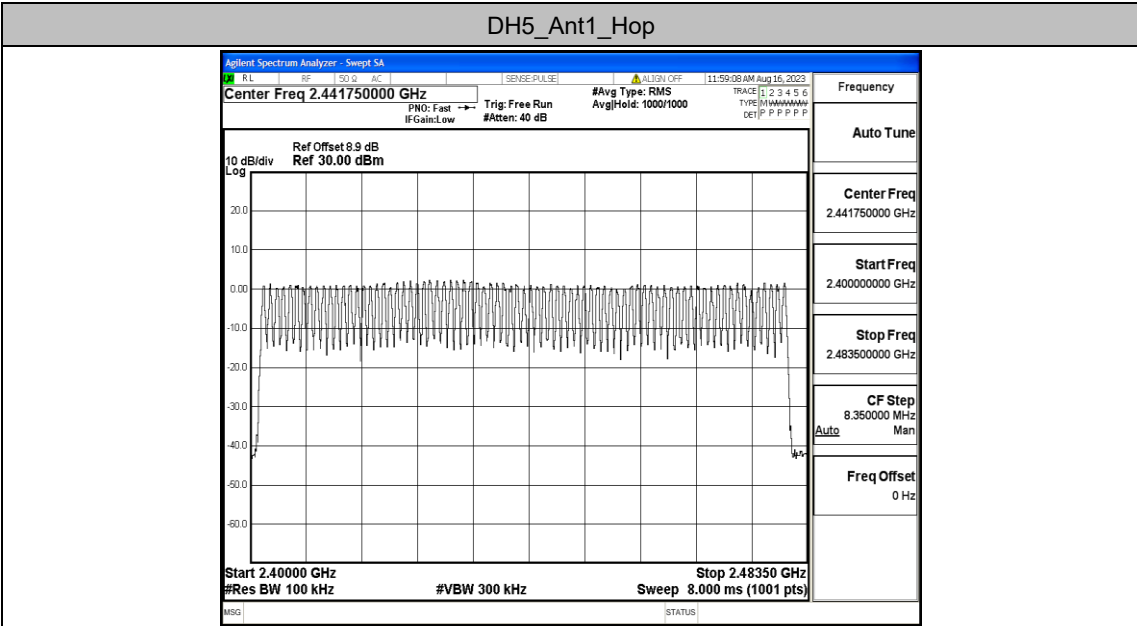


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



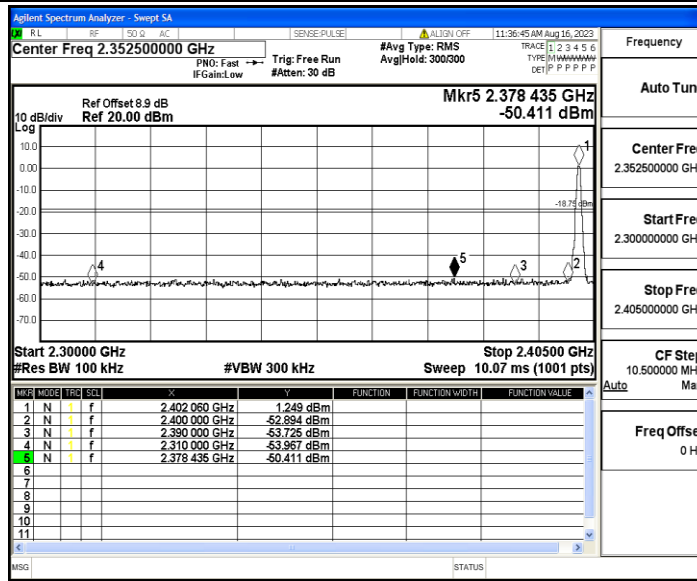
Appendix G: Band edge measurements

Test Result

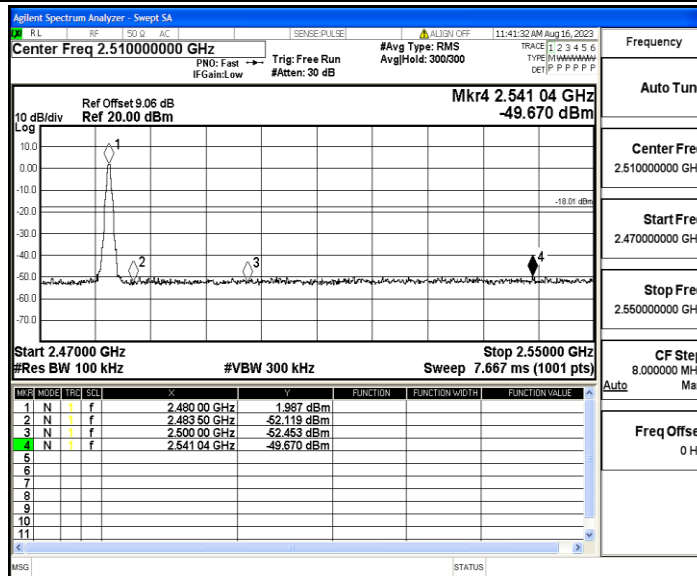
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.25	-50.41	≤-18.75	PASS
		High	2480	1.99	-49.67	≤-18.01	PASS
		Low	Hop_2402	0.97	-50.34	≤-19.03	PASS
		High	Hop_2480	1.47	-49.19	≤-18.53	PASS
2DH5	Ant1	Low	2402	-3.05	-50.94	≤-23.05	PASS
		High	2480	-2.44	-48.18	≤-22.44	PASS
		Low	Hop_2402	-7.87	-49.98	≤-27.87	PASS
		High	Hop_2480	-5.30	-49.3	≤-25.3	PASS
3DH5	Ant1	Low	2402	-2.96	-50.14	≤-22.96	PASS
		High	2480	-2.62	-49.36	≤-22.62	PASS
		Low	Hop_2402	-6.50	-50.53	≤-26.5	PASS
		High	Hop_2480	-2.80	-49.35	≤-22.8	PASS

Test Graphs

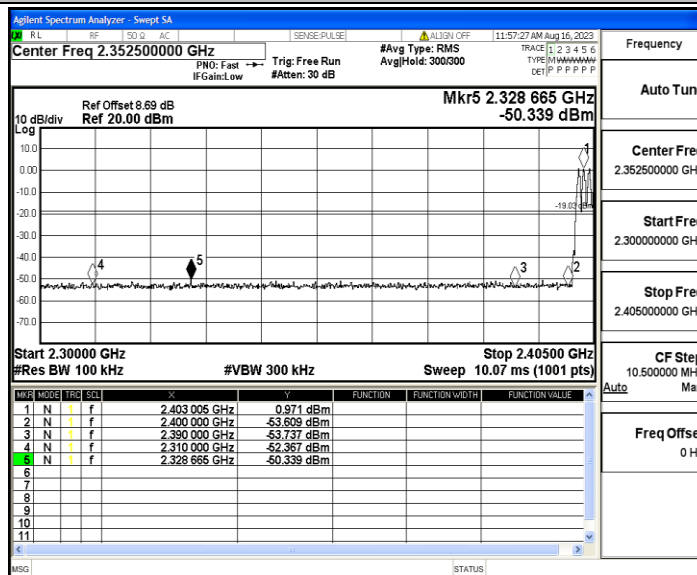
DH5_Ant1_Low_2402



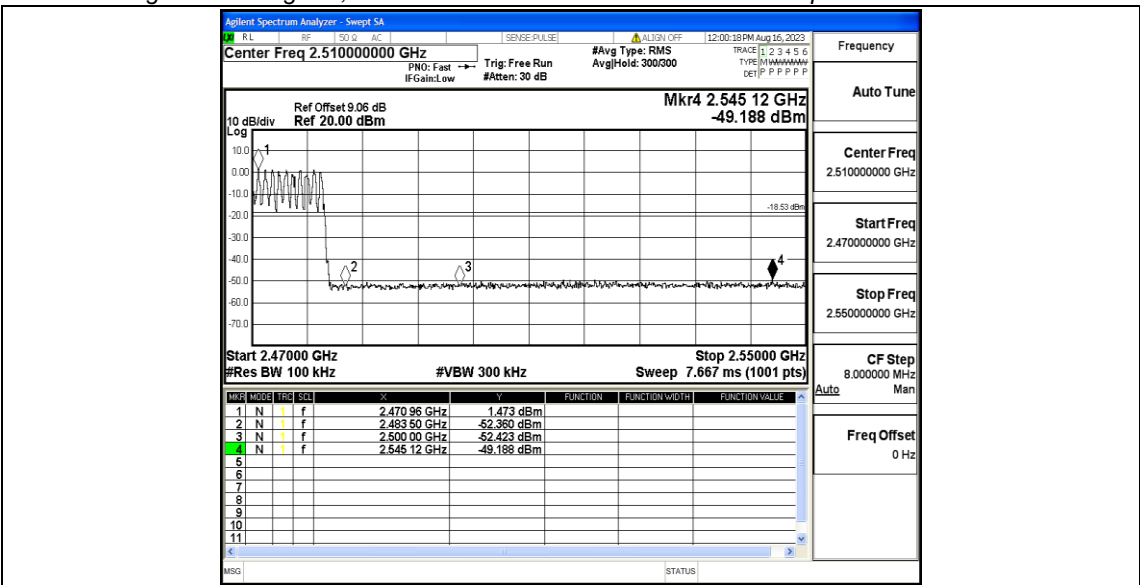
DH5_Ant1_High_2480



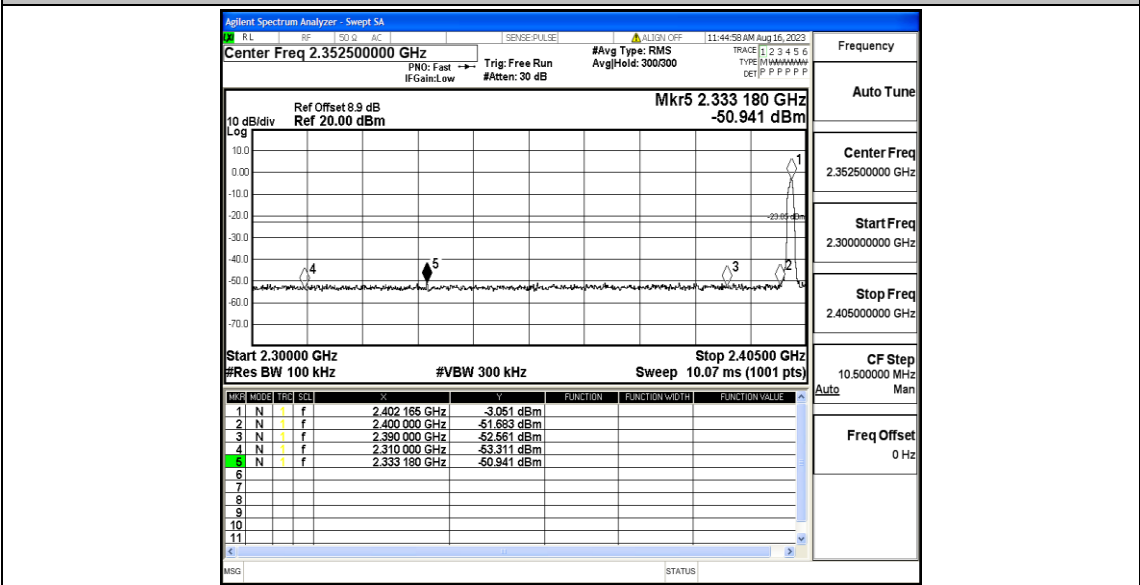
DH5_Ant1_Low_Hop_2402



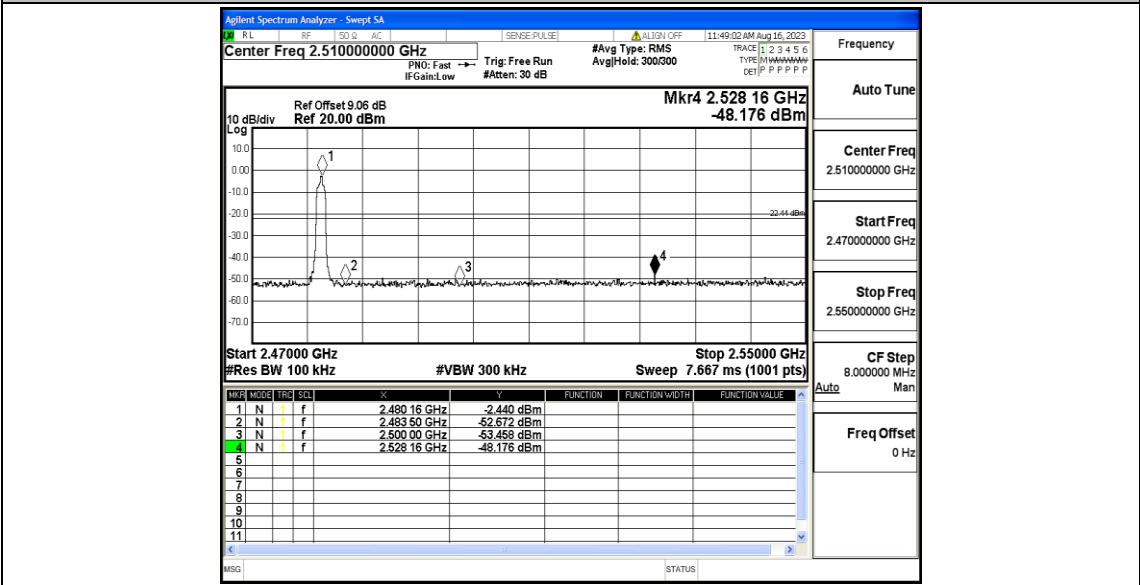
DH5_Ant1_High_Hop_2480



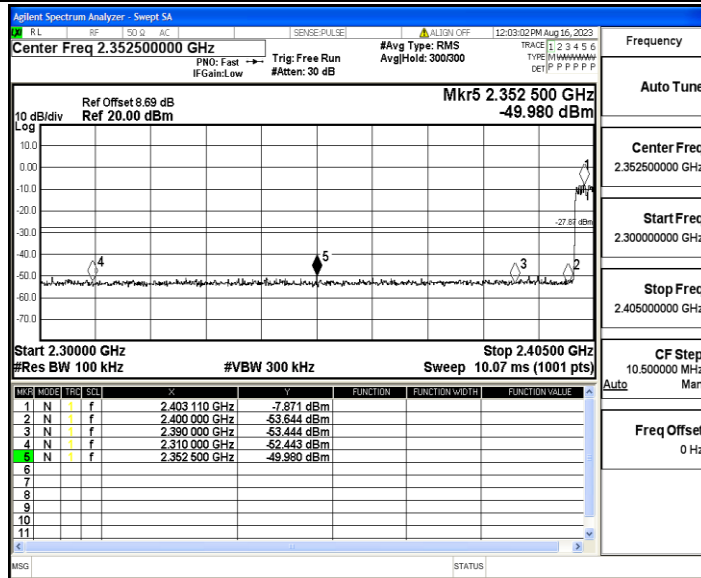
2DH5_Ant1_Low_2402



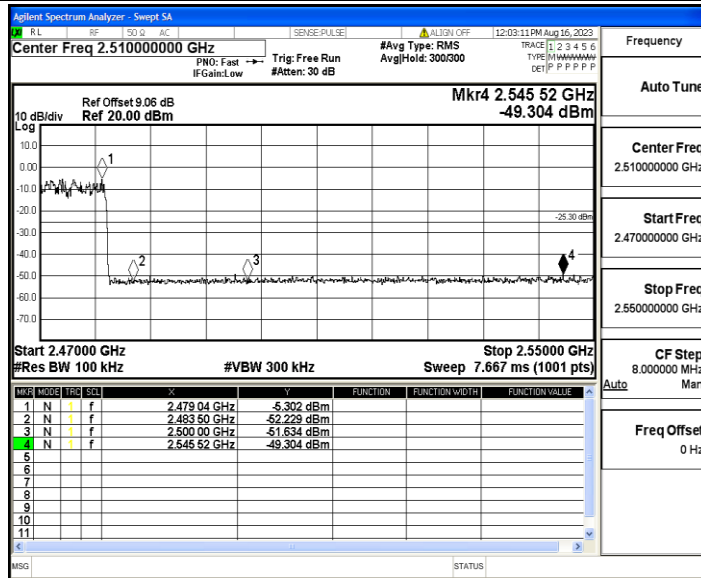
2DH5_Ant1_High_2480



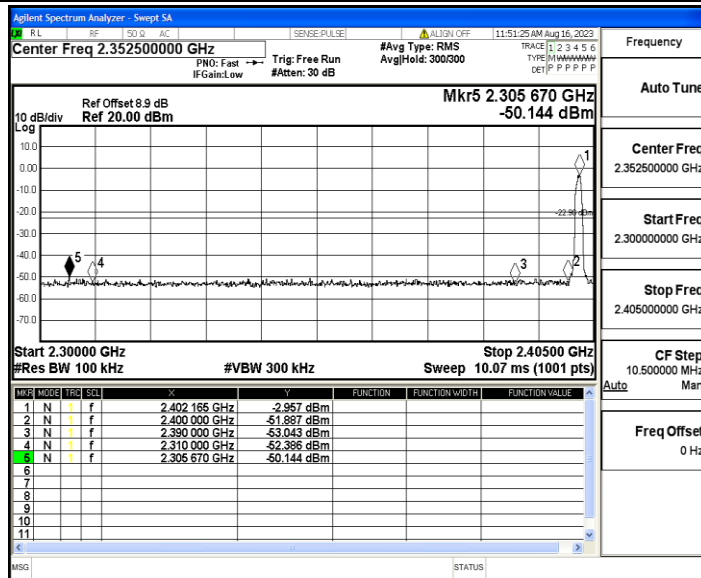
2DH5_Ant1_Low_Hop_2402



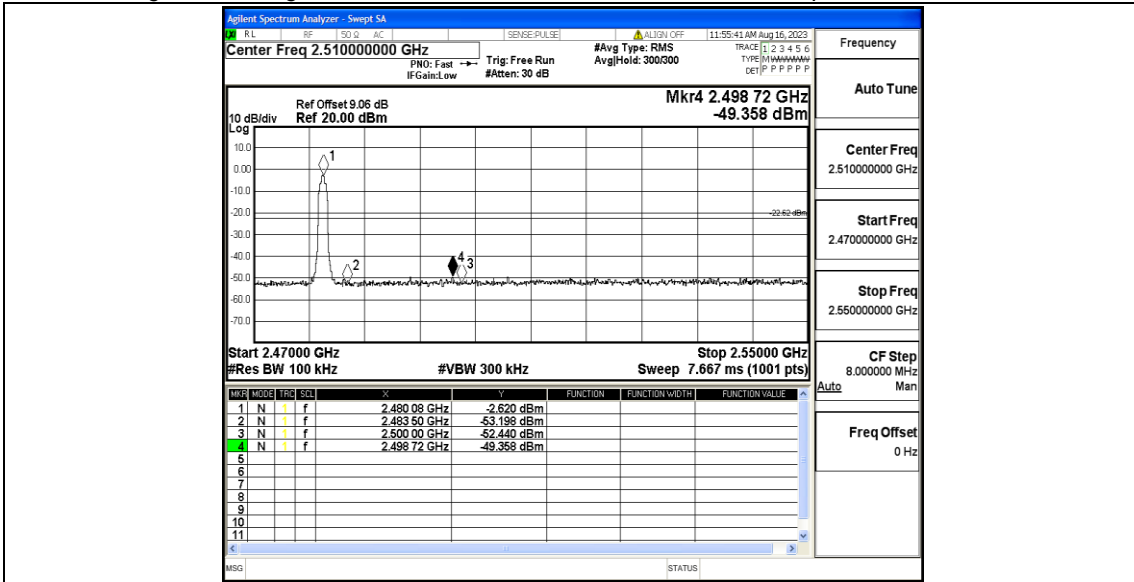
2DH5_Ant1_High_Hop_2480



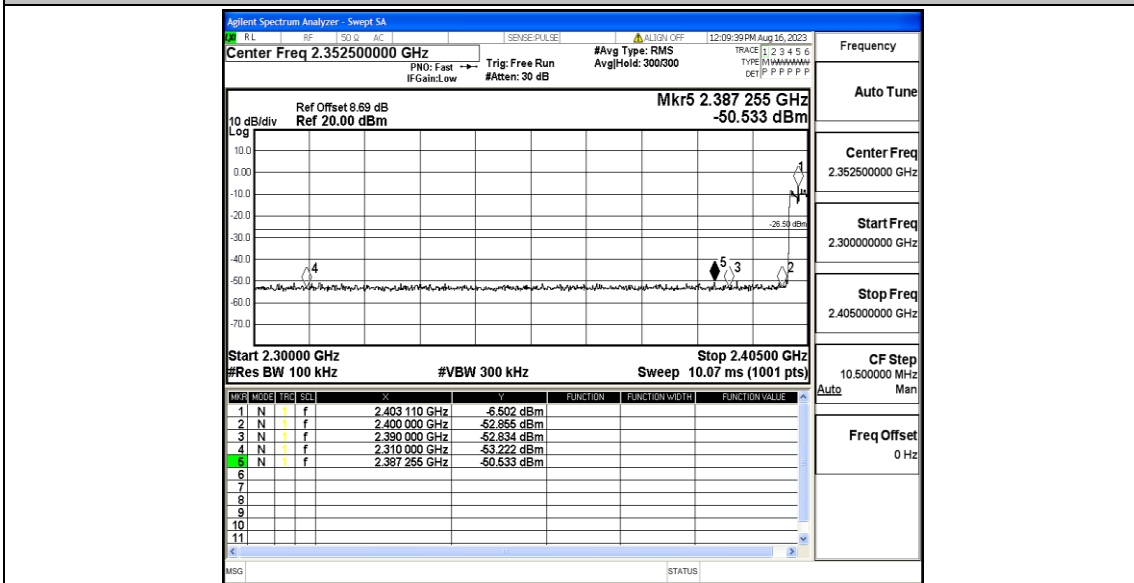
3DH5_Ant1_Low_2402



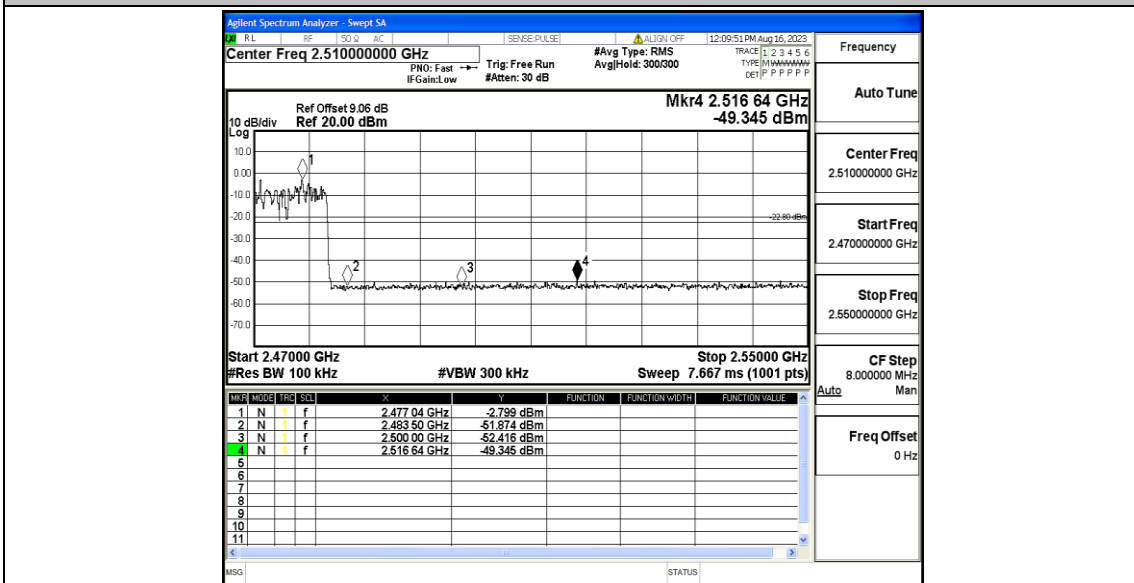
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

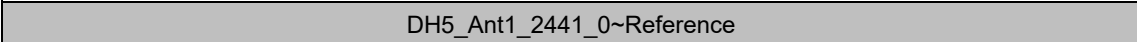
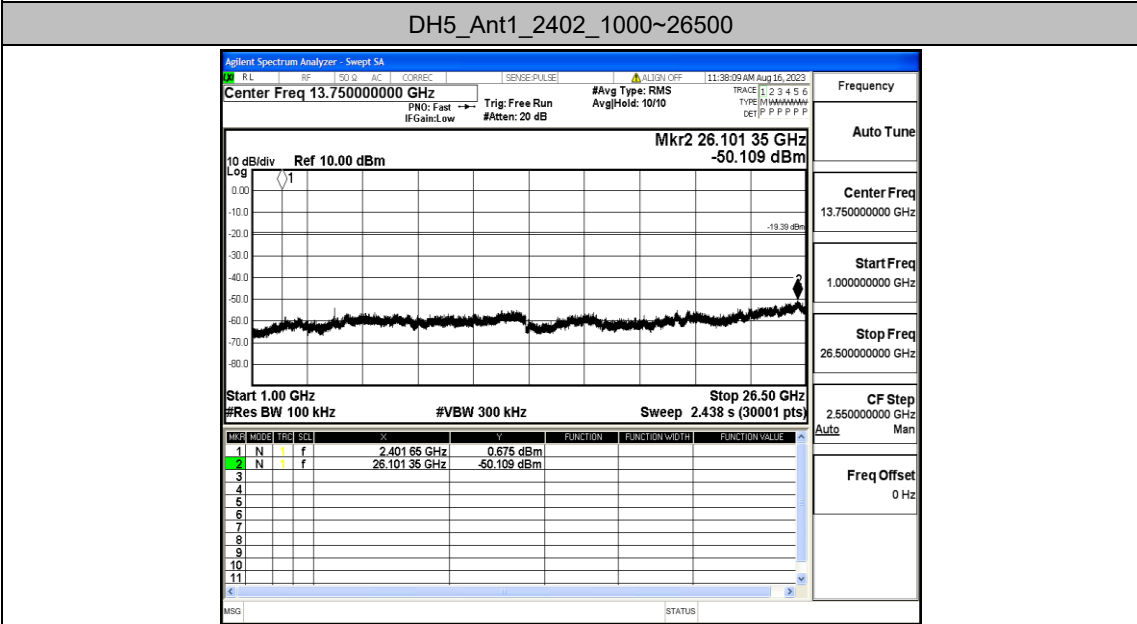
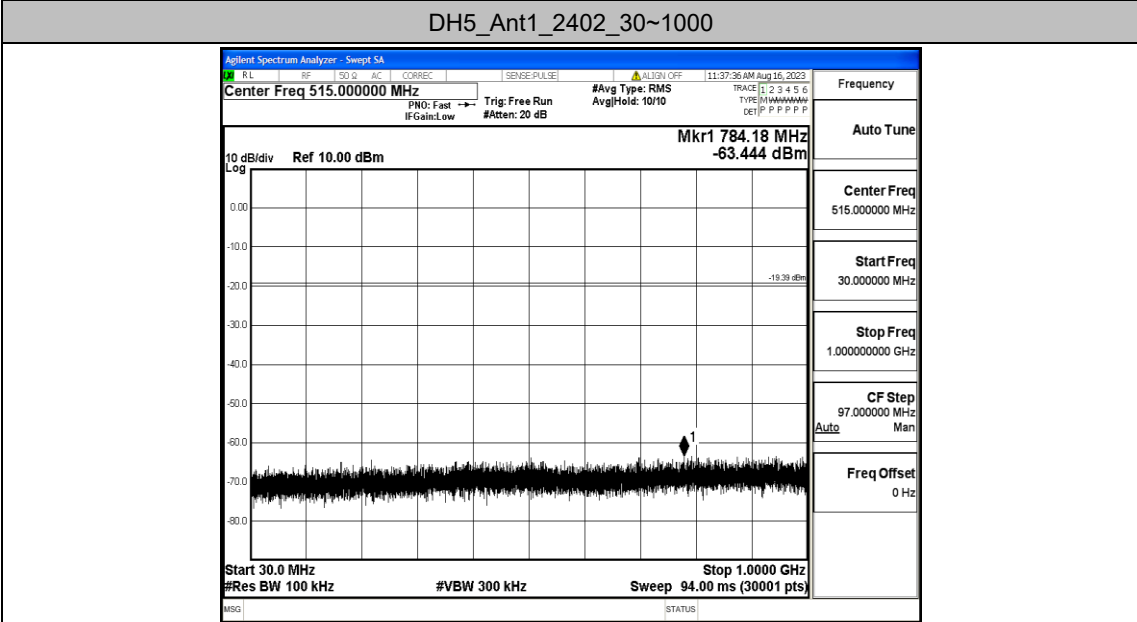
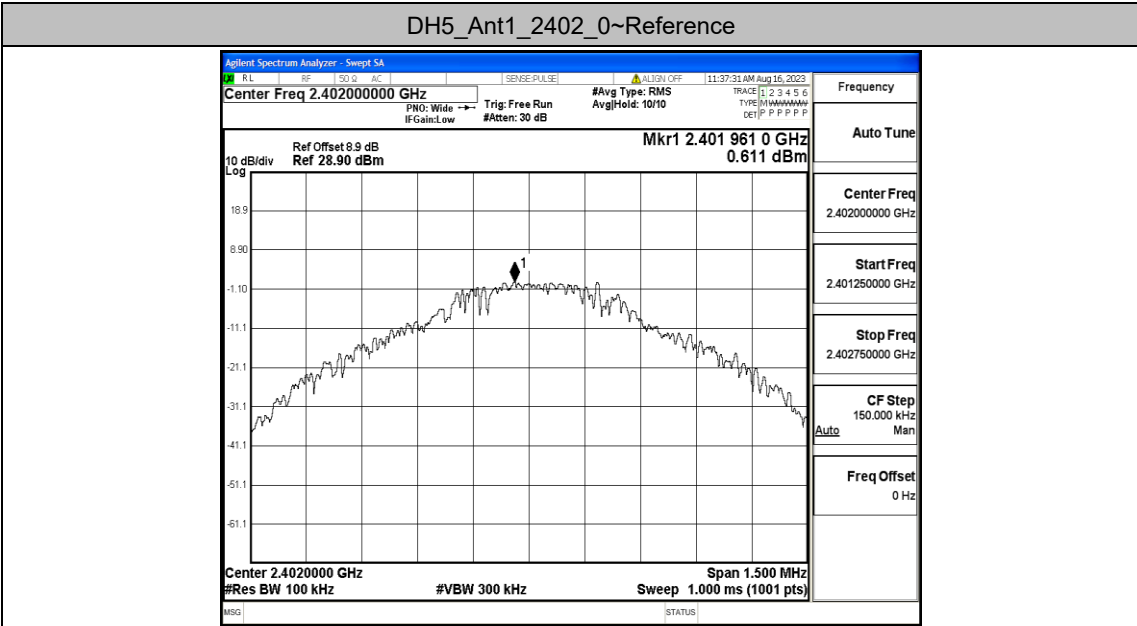


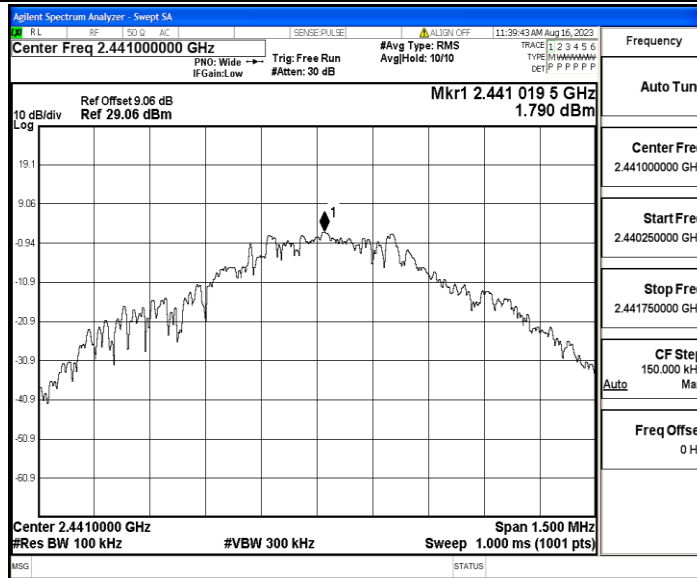
Appendix H: Conducted Spurious Emission

Test Result

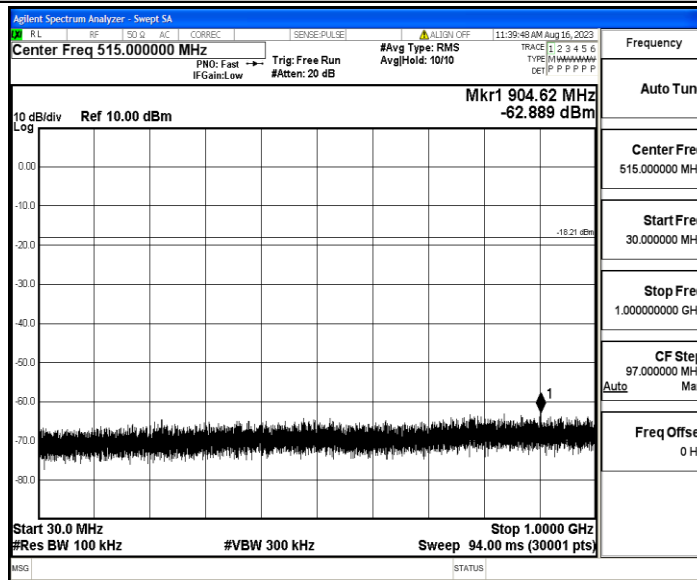
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-63.44	≤-19.39	PASS
			1000~26500	0.61	-50.11	≤-19.39	PASS
		2441	Reference	1.79	1.79	---	PASS
			30~1000	1.79	-62.89	≤-18.21	PASS
			1000~26500	1.79	-50.41	≤-18.21	PASS
		2480	Reference	1.30	1.30	---	PASS
			30~1000	1.30	-62.55	≤-18.7	PASS
			1000~26500	1.30	-50.48	≤-18.7	PASS
2DH5	Ant1	2402	Reference	-5.75	-5.75	---	PASS
			30~1000	-5.75	-62.96	≤-25.75	PASS
			1000~26500	-5.75	-50.04	≤-25.75	PASS
		2441	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-62.07	≤-22.66	PASS
			1000~26500	-2.66	-49.85	≤-22.66	PASS
		2480	Reference	-5.23	-5.23	---	PASS
			30~1000	-5.23	-62.46	≤-25.23	PASS
			1000~26500	-5.23	-50.52	≤-25.23	PASS
3DH5	Ant1	2402	Reference	-6.15	-6.15	---	PASS
			30~1000	-6.15	-62.77	≤-26.15	PASS
			1000~26500	-6.15	-49.93	≤-26.15	PASS
		2441	Reference	-5.50	-5.50	---	PASS
			30~1000	-5.50	-62.79	≤-25.5	PASS
			1000~26500	-5.50	-50.96	≤-25.5	PASS
		2480	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-62.57	≤-23.44	PASS
			1000~26500	-3.44	-49.86	≤-23.44	PASS

Test Graphs

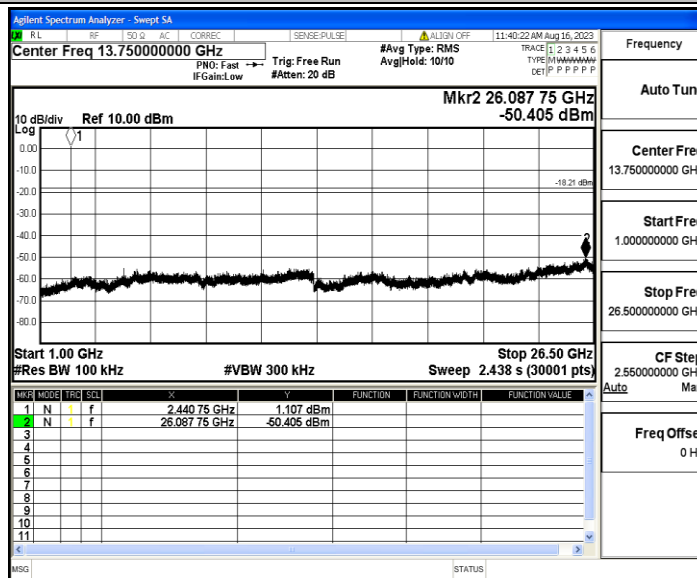




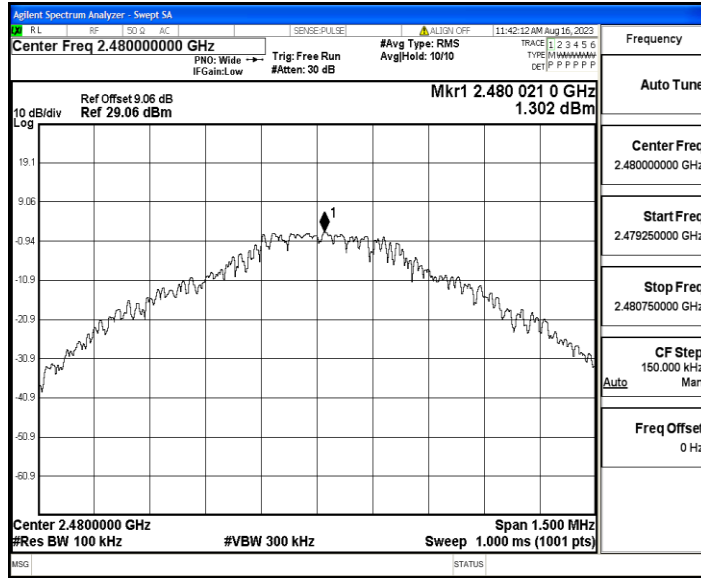
DH5_Ant1_2441_30~1000



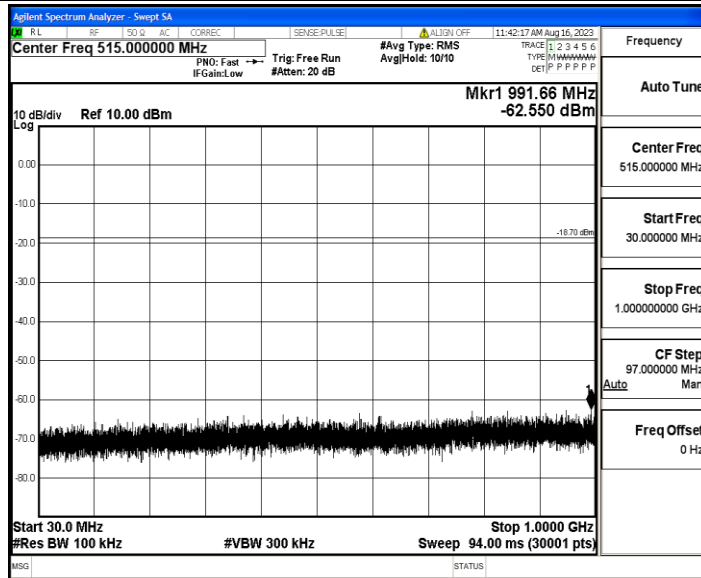
DH5_Ant1_2441_1000~26500



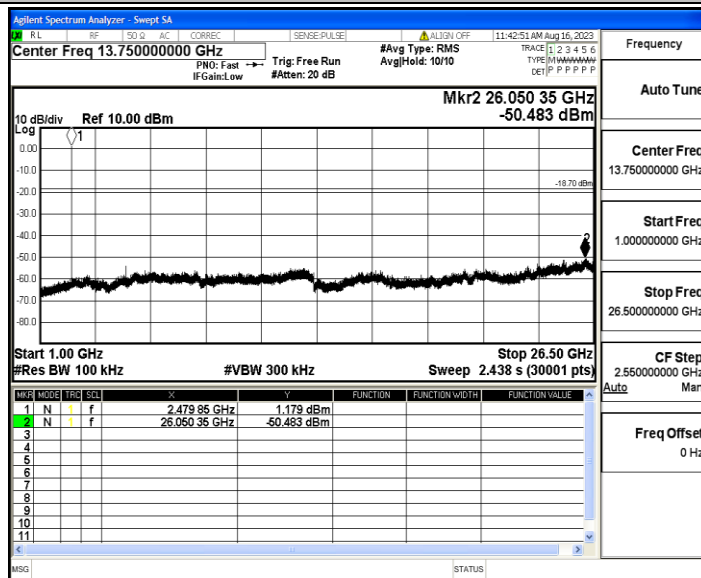
DH5_Ant1_2480_0~Reference



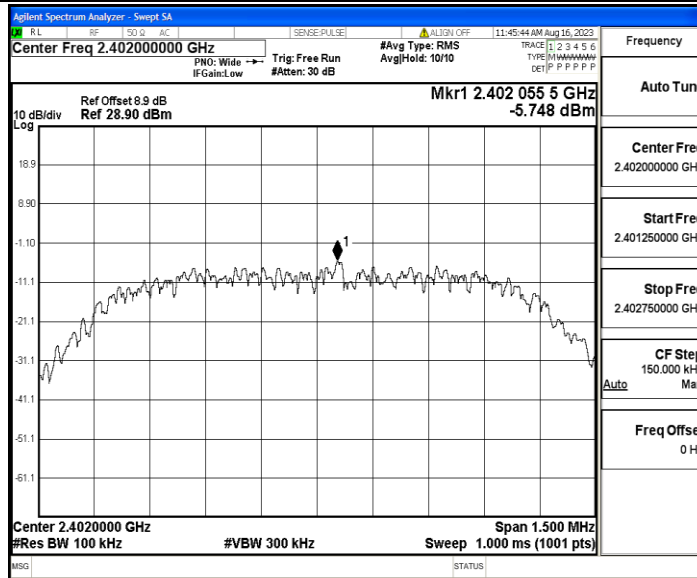
DH5_Ant1_2480_30~1000



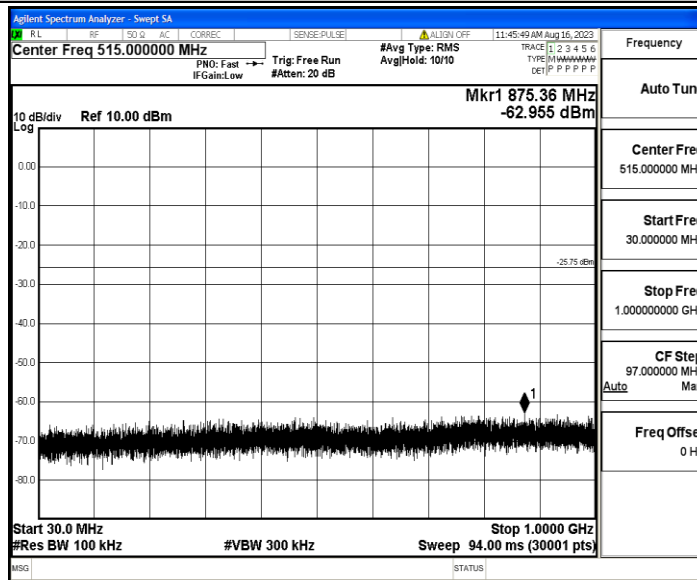
DH5_Ant1_2480_1000~26500



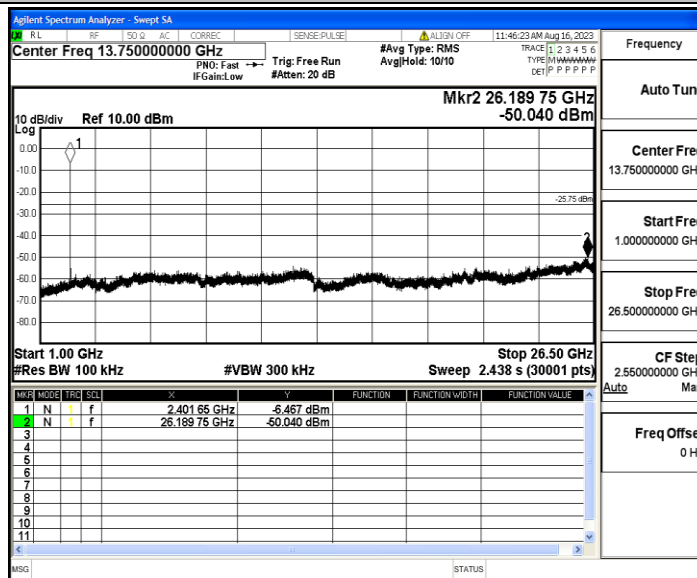
2DH5_Ant1_2402_0~Reference



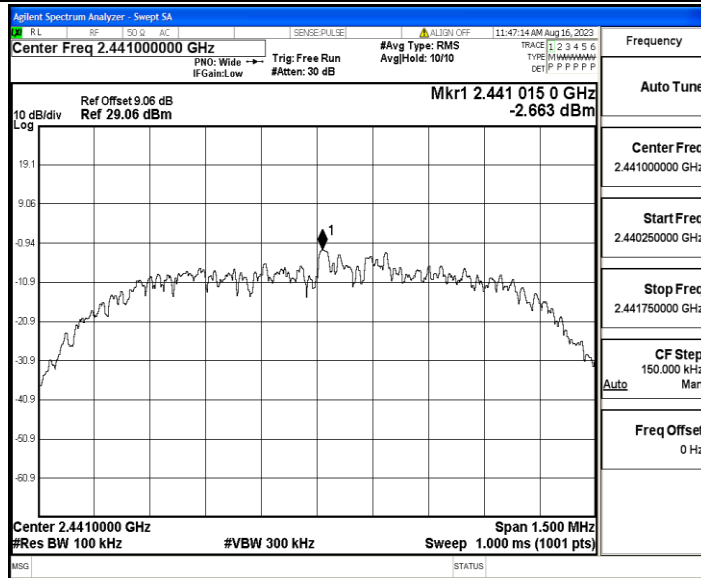
2DH5_Ant1_2402_30~1000



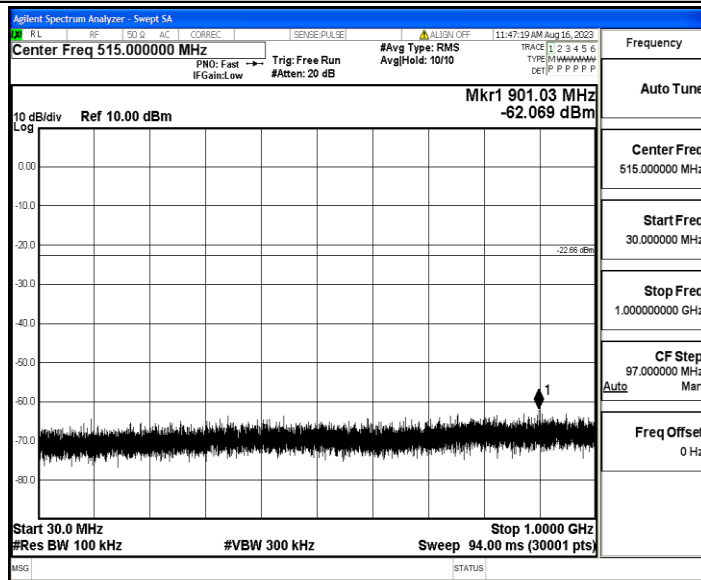
2DH5_Ant1_2402_1000~26500



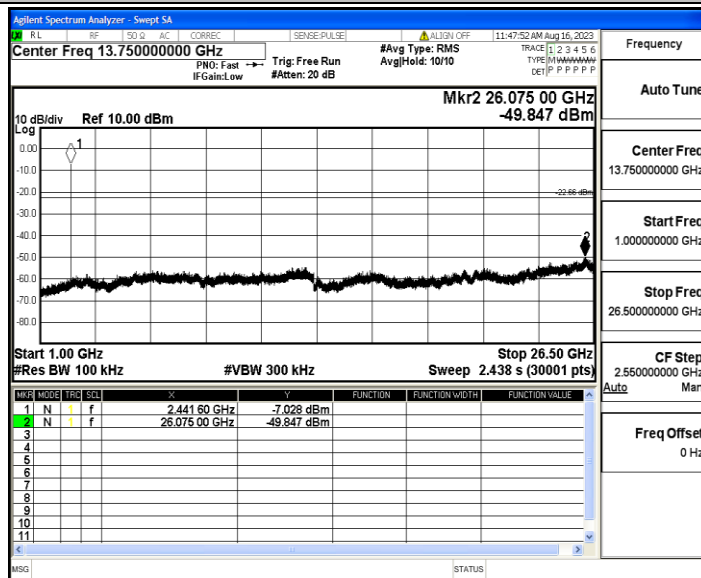
2DH5_Ant1_2441_0~Reference



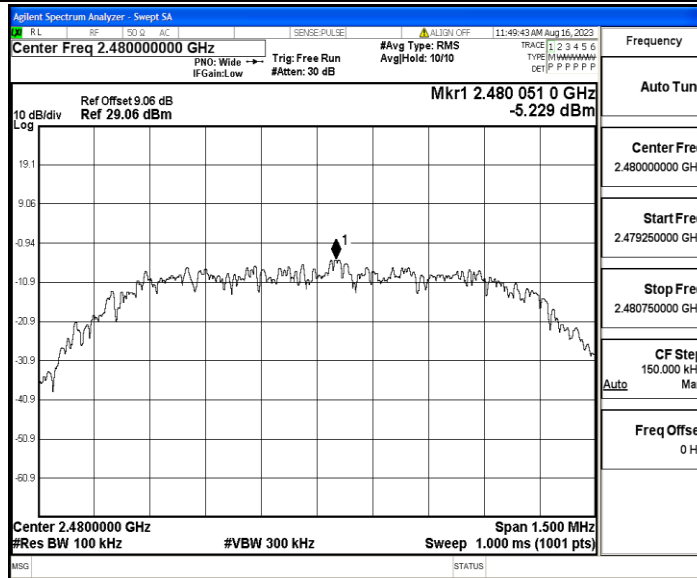
2DH5_Ant1_2441_30~1000



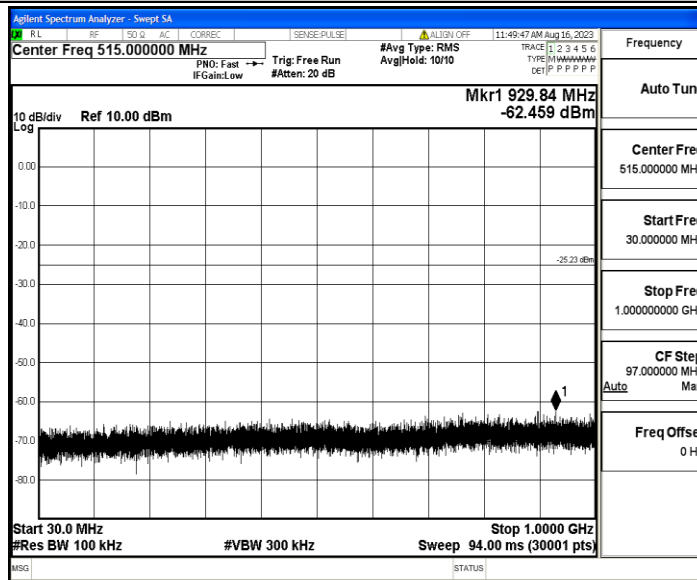
2DH5_Ant1_2441_1000~26500



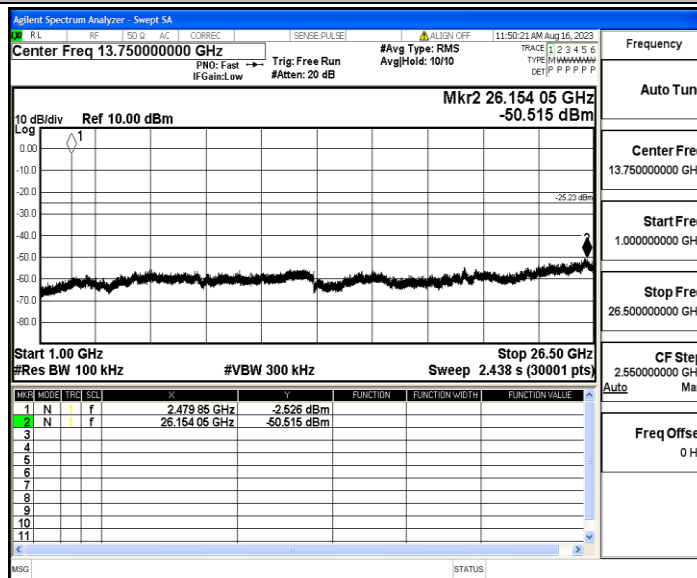
2DH5_Ant1_2480_0~Reference



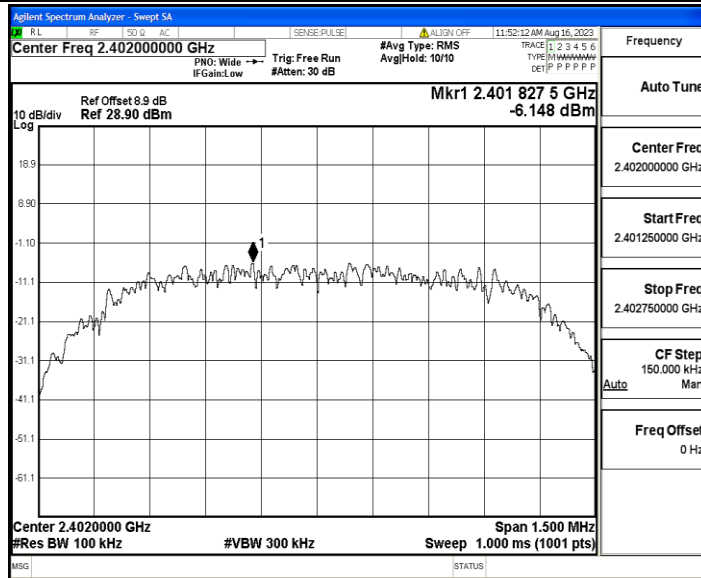
2DH5_Ant1_2480_30~1000



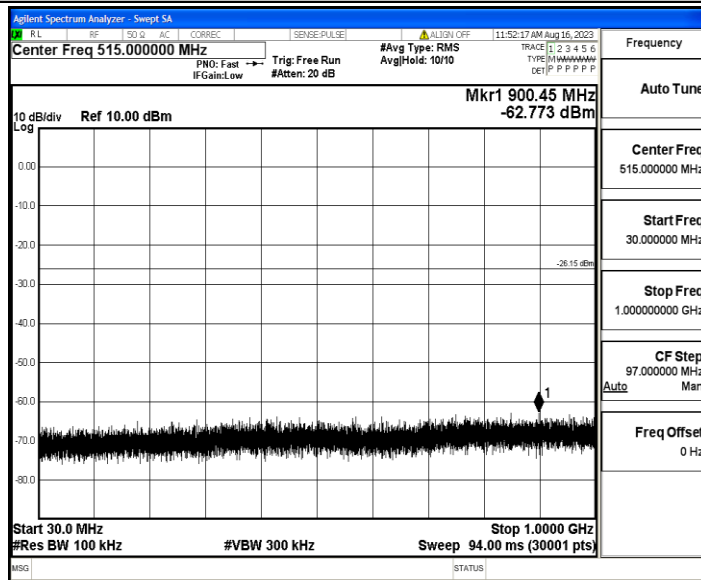
2DH5_Ant1_2480_1000~26500



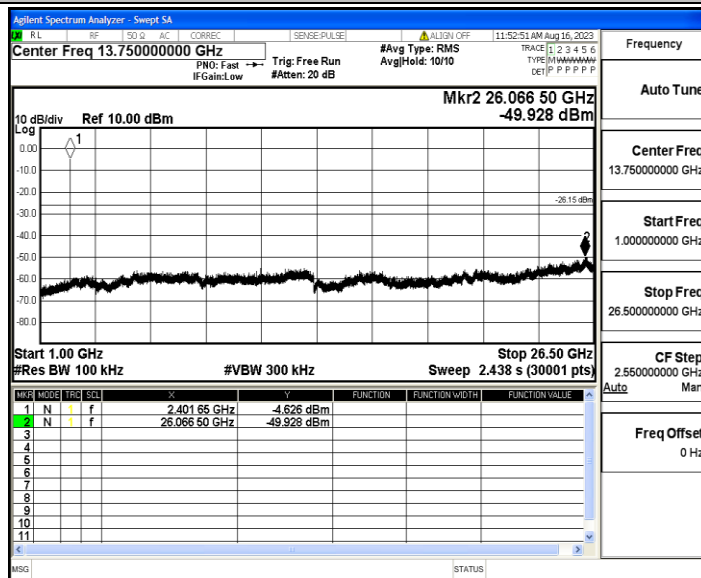
3DH5_Ant1_2402_0~Reference



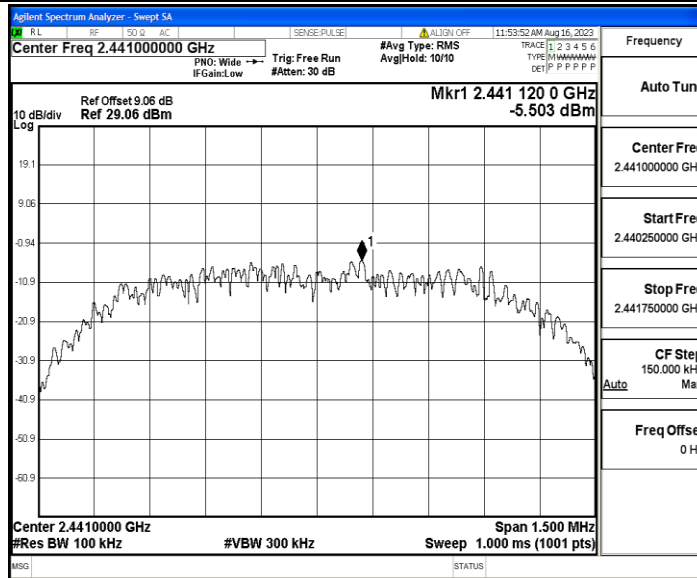
3DH5_Ant1_2402_30~1000



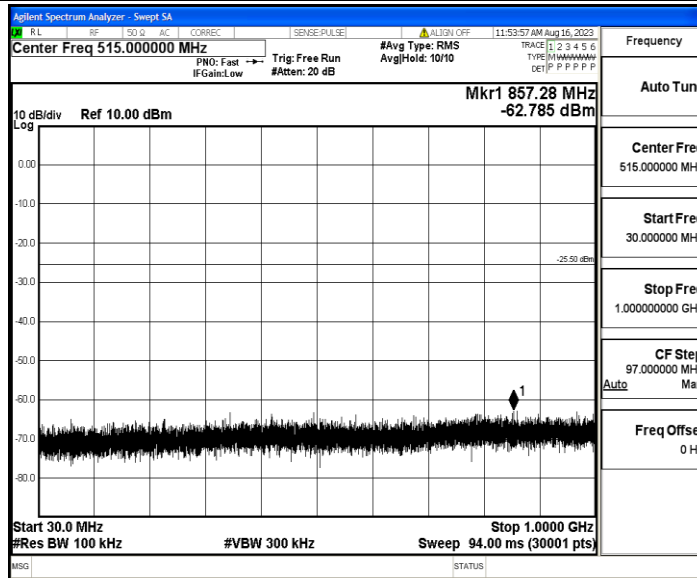
3DH5_Ant1_2402_1000~26500



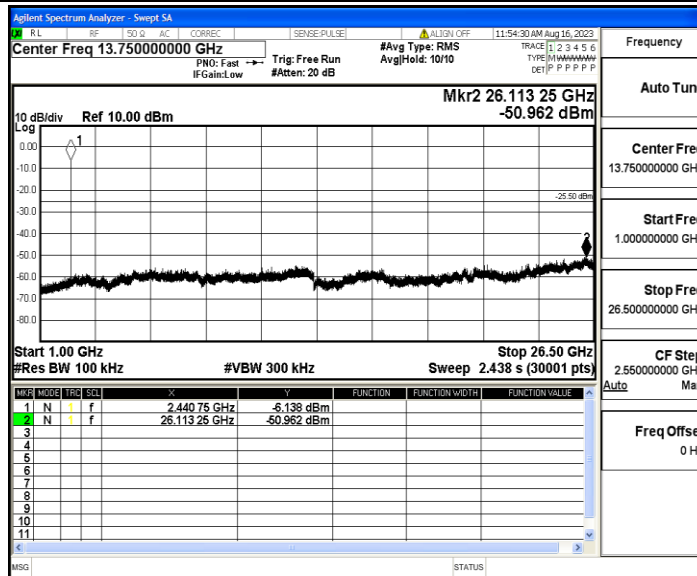
3DH5_Ant1_2441_0~Reference



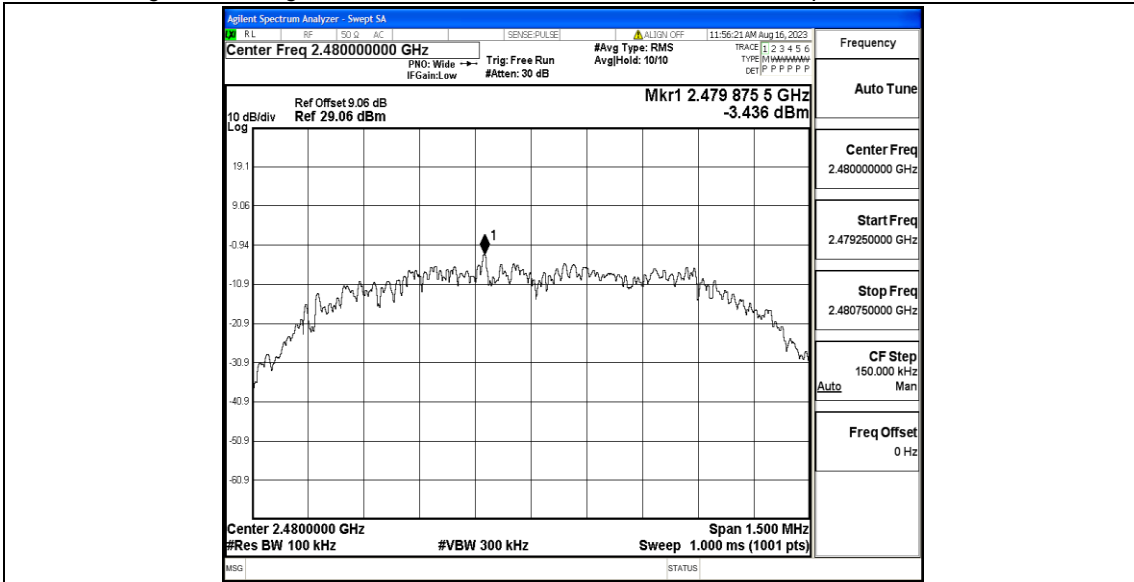
3DH5_Ant1_2441_30~1000



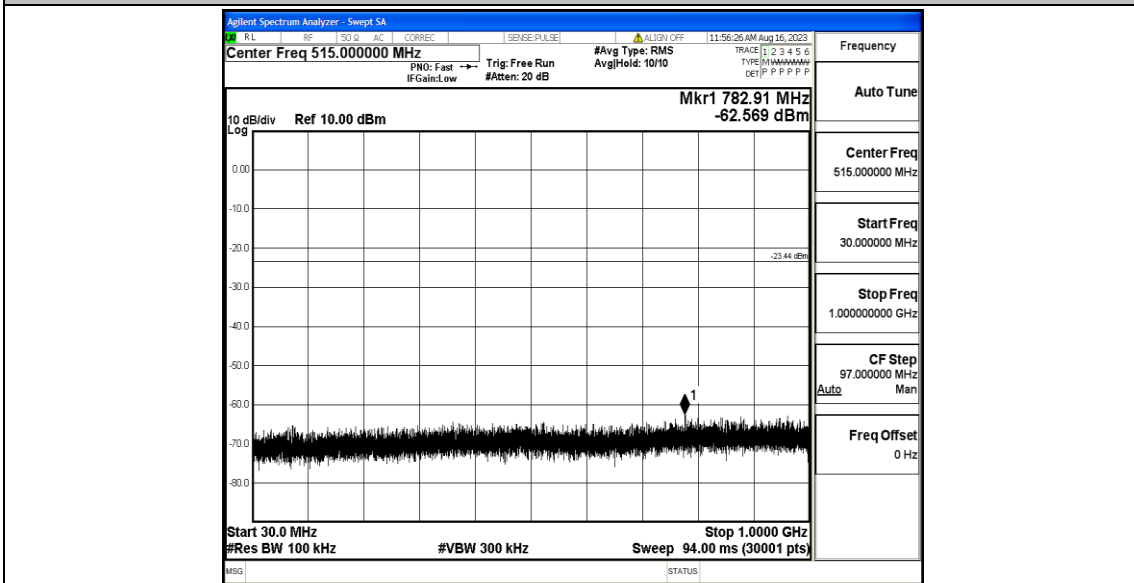
3DH5_Ant1_2441_1000~26500



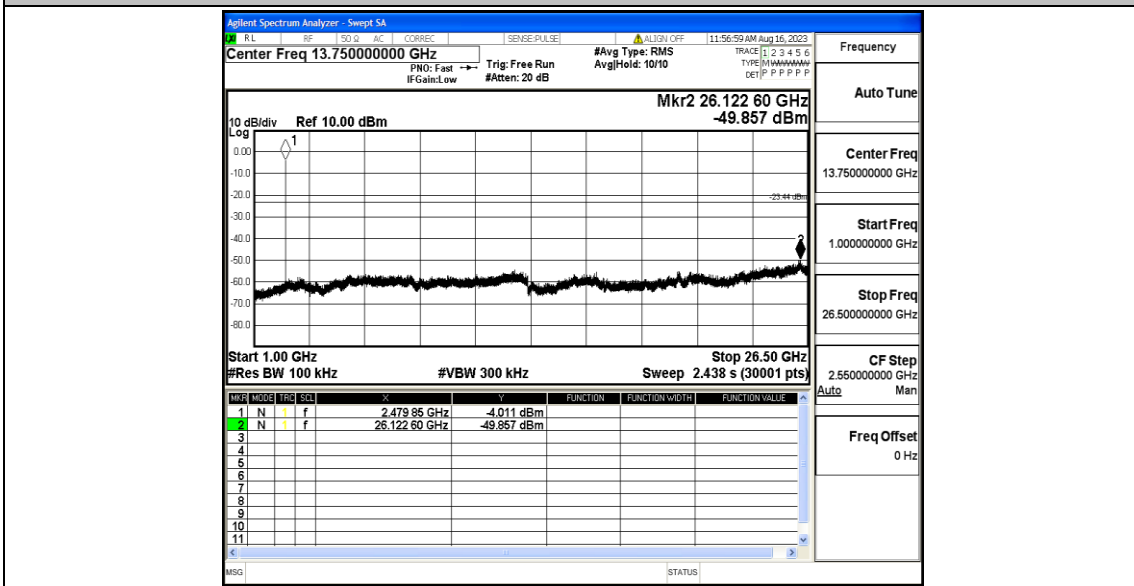
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500

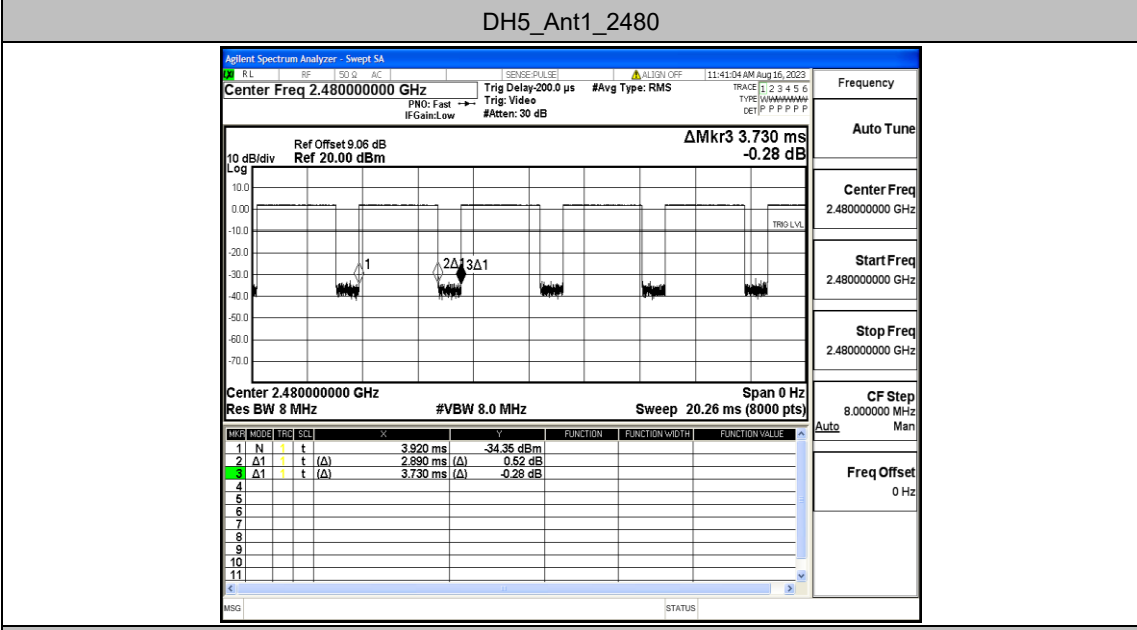
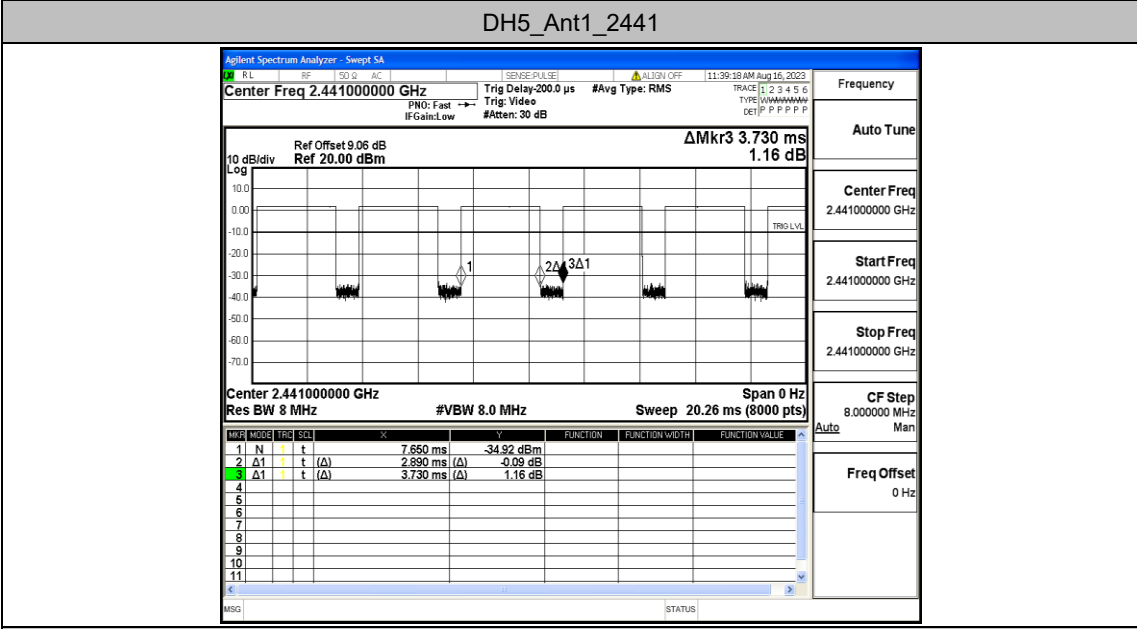
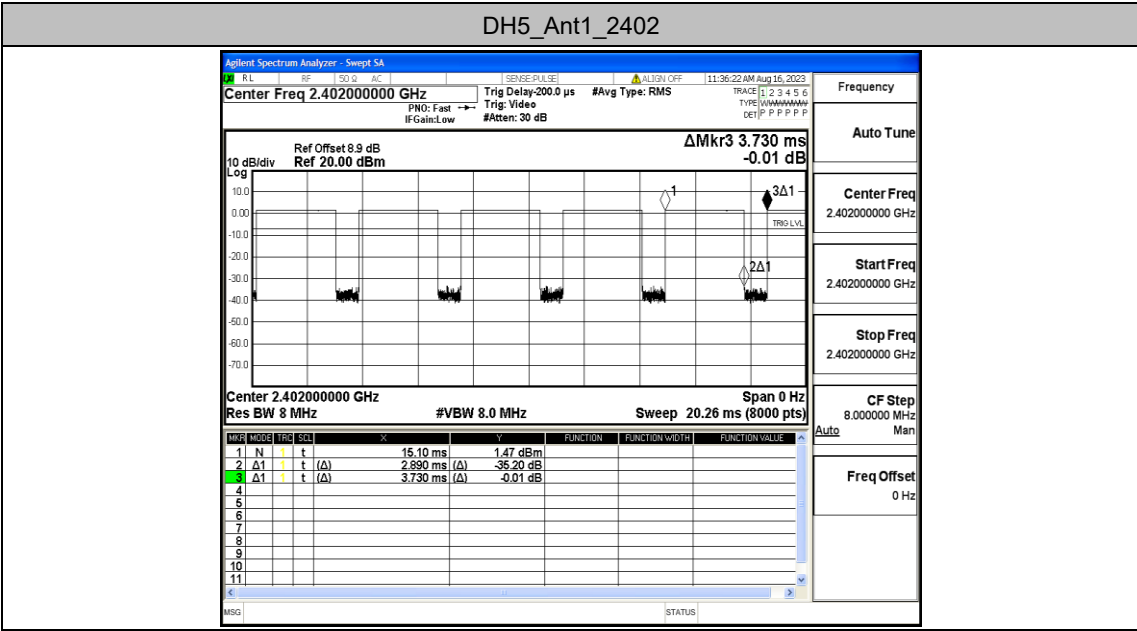


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.89	3.73	77.48	0.35
		2441	2.89	3.73	77.48	0.35
		2480	2.89	3.73	77.48	0.35
2DH5	Ant1	2402	2.88	3.73	77.21	0.35
		2441	2.89	3.74	77.27	0.35
		2480	2.89	3.74	77.27	0.35
3DH5	Ant1	2402	2.89	3.74	77.27	0.35
		2441	2.89	3.74	77.27	0.35
		2480	2.89	3.73	77.48	0.35

Test Graphs



2DH5_Ant1_2402